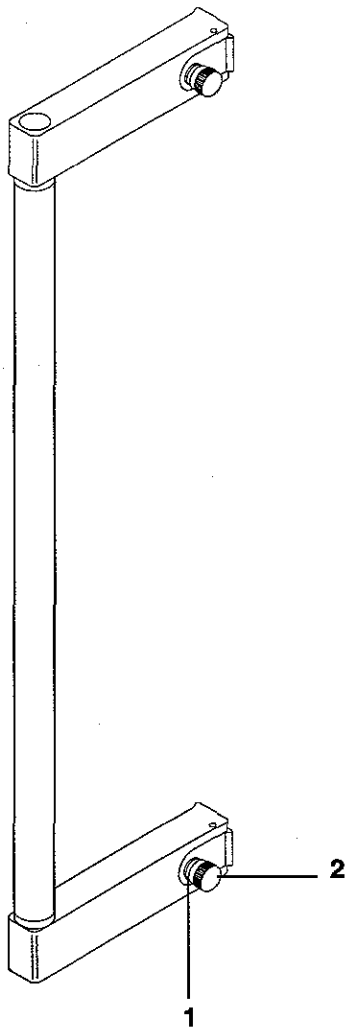
7.36 20 inch Utility Post



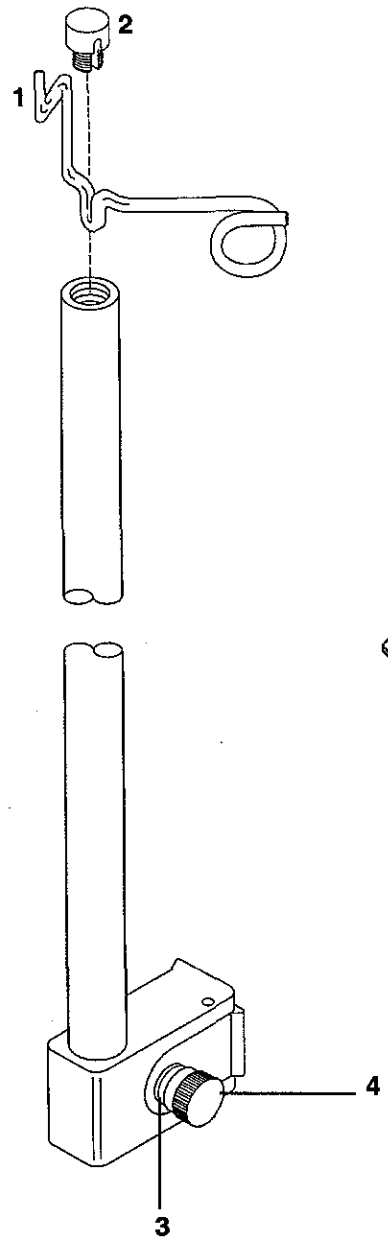
Cl.14.058

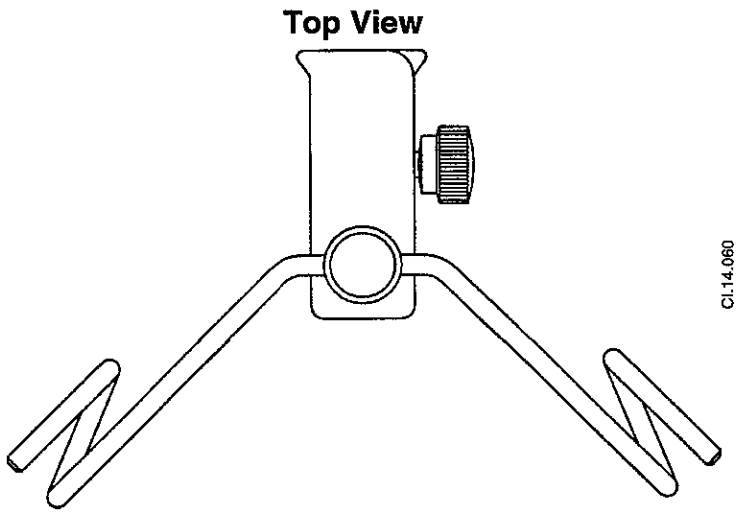
Description	Stock Number
1. Washer	0202-0095-300
2. Knob†	0217-5335-300

† Apply Lubriplate (6600-0095-300) to the knob threads.

Figure 7-36
20 inch (51cm) Utility post
0217-5376-800

7.37 I.V. Pole





CI.14.060

CI.14.059

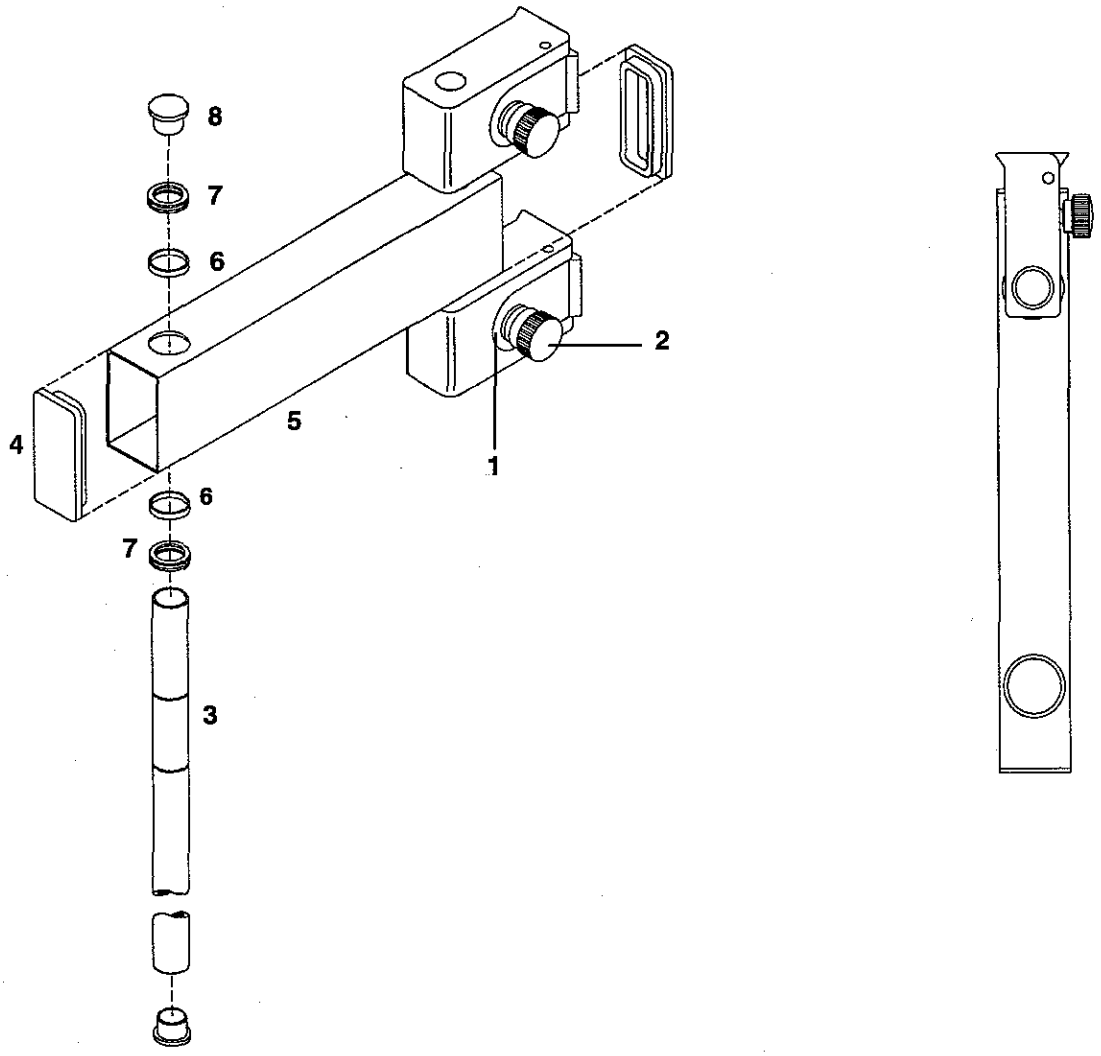
Description		Stock Number
1.	Hanger	0217-5091-300
2.	Cap*	0217-5092-535
3.	Washer	0202-0095-300
4.	Knob†	0217-5335-300

* Apply Loctite 277 before assembly.

†Apply Lubriplate (6600-0095-300) to the knob threads.

Figure 7-37
I.V. Pole
0217-5378-800

7.38 Ventilator Mounting Post



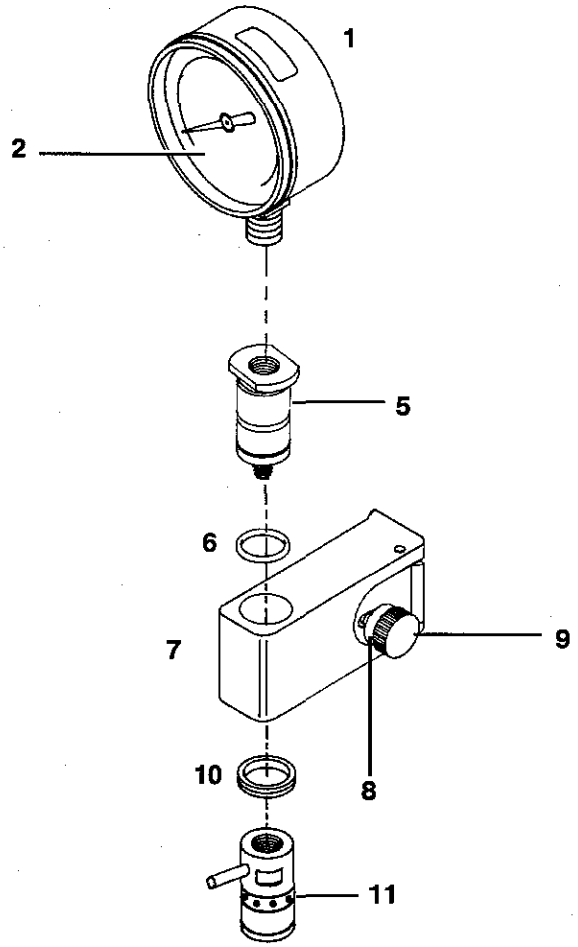
	Description	Stock Number
1.	Washer	0202-0095-300
2.	Knob†	0217-5335-300
3.	Ventilator Mounting Post Tube	0217-5288-500
4.	End Rail Cap	6600-0520-500
5.	Ventilator Mounting Post Arm	0217-5287-300
6.	Black Delrin Washer	0202-0097-500
7.	Spiral Ring Lock	0203-5188-300
8.	Black Butyrate Cap	6600-0867-500

† Apply Lubriplate (6600-0095-300) to the knob threads

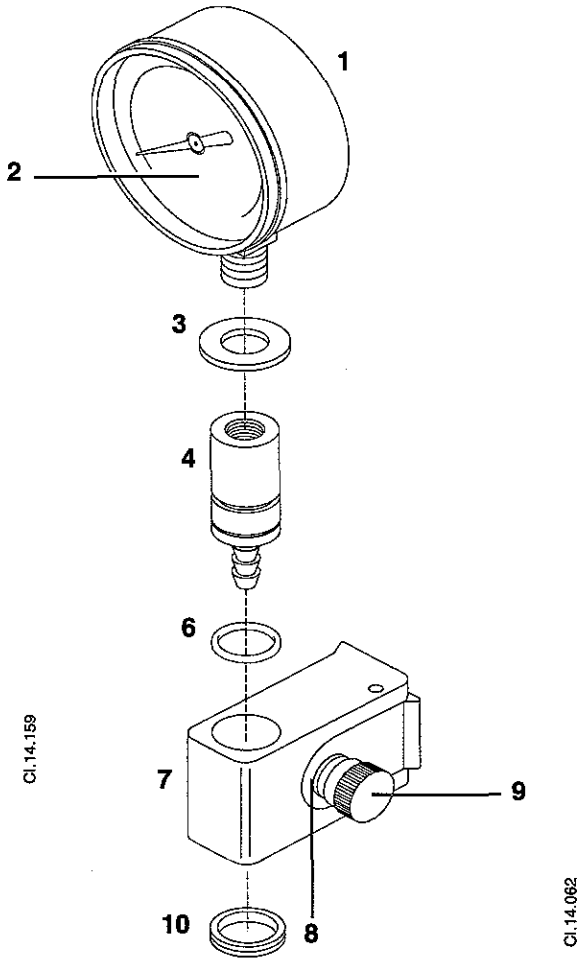
Figure 7-38
Ventilator Mounting Post
0217-5357-800

7.39 Airway Manometer

Unit with Relief Valve



Unit without Relief Valve



Description	Stock Number
1. Gauge Kit -20 to + 100 cm H_2O (-2 to + 10 kpa)*	6600-0071-850
2. Lens	6600-0250-200
3. Washer	0402-0221-500
4. Coupler‡	0217-5344-542
5. Relief valve adapter	6600-0632-400
6. O-ring	0210-0543-300
7. Mounting Block Assy.	6700-0080-800
8. Washer (included with item 7)	0202-0095-300
9. Knob† (included with item 7)	0217-5335-300
10. Locking Ring	0203-5186-300
11. Relief valve	6600-0633-400

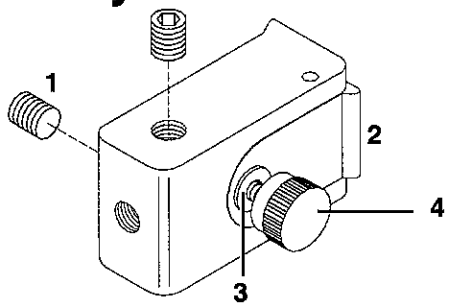
† Apply Lubriplate (6600-0095-300) to the knob threads.

* Seal pipe threads with Teflon tape.

‡ To equip old units with relief valve (item 11) replace coupler with item 5.

Figure 7-39
Airway Manometer
0217-5377-800

7.40 Manifold Assembly



CI.14.064

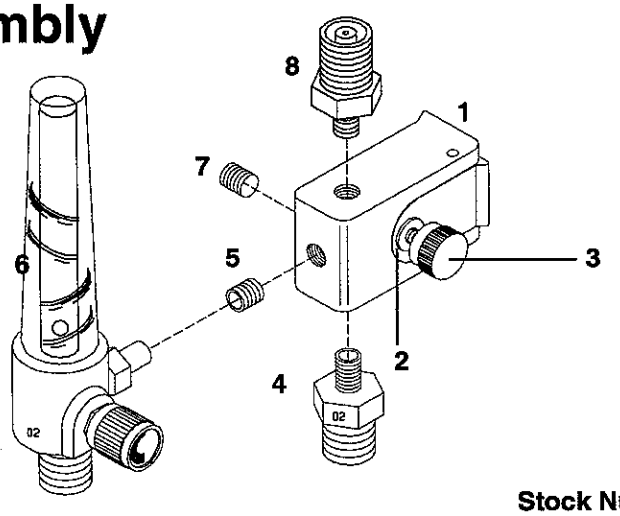
Description		Stock Number
1.	Plug 1/8 nptm w/Hex Socket*	6600-0191-400
2.	Mounting block assy.	6700-0180-700
3.	Washer (included with item 2)	0202-0095-300
4.	Knob† (included with item 2)	0217-5335-300

† Apply Lubriplate (6600-0095-300) to the knob threads.

*Seal pipe threads with Teflon tape.

Figure 7-40
Manifold Assembly
0217-5359-800

7.41 Flowmeter Assembly



CI.14.063

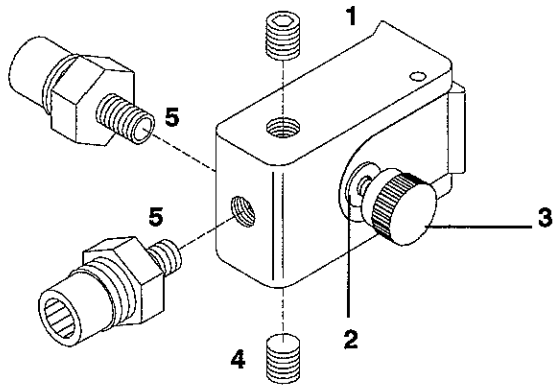
Description		Stock Number
1.	Mounting block assy.	6700-0180-700
2.	Washer (included with item 1)	0202-0095-300
3.	Knob† (included with item 1)	0217-5335-300
4.	O_2 Diss Adapter 1/8. npt	0204-0490-535
5.	Close Nipple 1/8 nptm	6700-0561-800
6.	O_2 Flowmeter (50psi)	6700-1260-907
7.	Hex Socket Plug 1/8 nptm*	6600-0191-400
8.	O_2 DISS Outlet 1/8 npt	0205-0540-800

† Apply Lubriplate (6600-0095-300) to the knob threads.

*Seal pipe threads with Teflon tape.

Figure 7-41
Flowmeter Assembly
0217-5370-800

7.42 Vacuum Manifold Assembly



CI.14.065

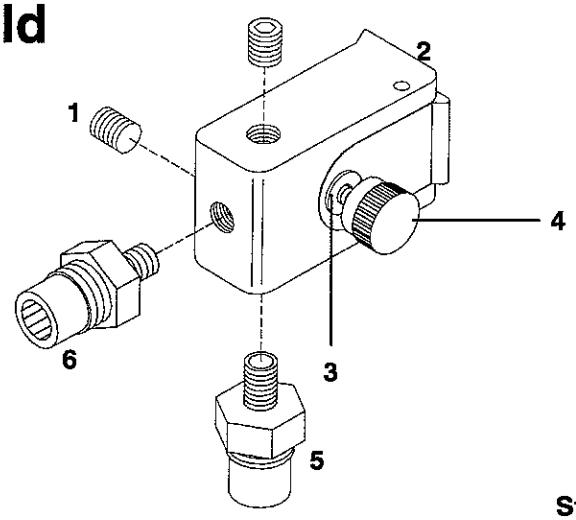
Description		Stock Number
1.	Mounting block assy.	6700-0180-700
2.	Washer (included with item 1)	0202-0095-300
3.	Knob† (included with item 1)	0217-5335-300
4.	Hex Socket Plug 1/8 nptm*	0413-3510-335
5.	DISS Vacuum Adapter 1/8 npt*	6700-0524-802

* Seal pipe threads with Teflon tape.

† Apply Lubriplate (6600-0095-300) to the knob threads.

Figure 7-42
Vacuum Manifold Assembly
(0217-5369-800)

7.43 Oxygen Manifold



CI.14.066

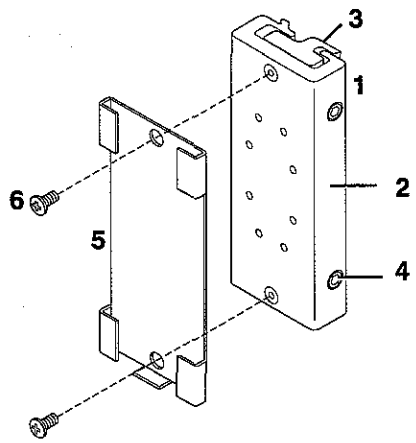
Description		Stock Number
1.	Plug 1/8 nptm w/Hex Socket*	0413-3510-335
2.	Mounting Block assy.	6700-0180-700
3.	Washer (included with item 2)	0202-0095-300
4.	Knob† (included with item 2)	0217-5335-300
5.	O_2 DISS Adapter 1/8 npt*	0204-0490-535
6.	O_2 DISS Outlet 1/8 npt*	0205-0540-800

† Apply Lubriplate (6600-0095-300) to the knob threads.

*Seal pipe threads with Teflon tape.

Figure 7-43
Oxygen Manifold
6600-0018-800

7.44 Slide Assembly



CI.14.068

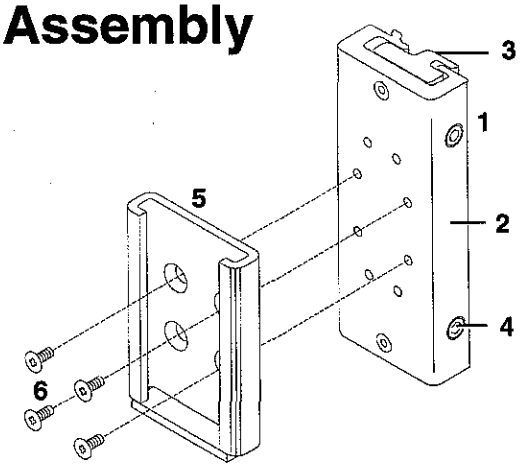
Description		Stock Number
1.	Adapter plate	0217-5363-800
2.	Housing (included w/item 1)	6600-0599-500
3.	Lock (included w/item 1)	6600-0600-500
4.	Cap head screw (included w/item 1)	6600-0441-400
5.	Vacuum Slide Bottle Mount	6600-0775-500
6.	Screw 6-32 x .238	0140-6224-104

Parts Not Shown

Allen wrench (included w/item 1)	6600-0443-400

Figure 7-44
Slide Assembly
(0217-5367-800)

7.45 Bird Dovetail Assembly



CI.14.067

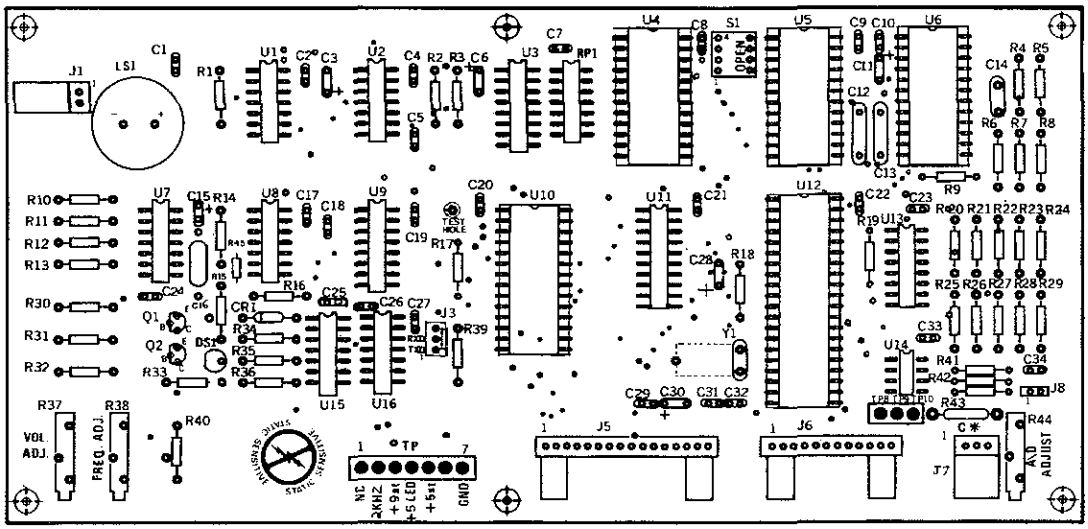
Description		Stock Number
1.	Adapter plate	0217-5363-800
2.	Housing (included w/item 1)	6600-0599-500
3.	Lock (included w/item 1)	6600-0600-500
4.	Cap head screw (included w/item 1)	6600-0441-400
5.	Female Bracket, Bird Blender	6600-0044-500
6.	Screw	6600-0014-400

Parts Not Shown

Allen wrench (included w/item 1)	6600-0443-400

Figure 7-45
Bird Dovetail Assembly
(6600-0031-900)

7.46 Control Board Layout



CI.05.059

S1	**Switch. Dip 4 ckt**	
TP1-TP7	**Header 7 Pin**	
TP8 9 10	**Header 3 pin**	
U1	**IC 74LS74**	
	Dual D Flip Flop Pos Edge	
U2	**IC 74LS08**	
	Quad 2 Input and	
U3	**IC 74LS123**	
	Dual One Shot w/Clear	
U4 5	**IC 8243**	
	Input/Output Expander	
U6	**IC ADC3711 A/D Converter**	
U7	**IC 7556 Dual 555 Timer**	
U8	**IC 74LS132**	
	Quad 2 Input Schmitt Nand	
U9	**IC 4020B CMOS**	
	14 Bit Binary Counter	
U10	**IC 27128 EPROM**	**6600-0190-800**
	Programmed	
U11	**IC 74LS373**	
	Octal D Latch 3 State Out	
U12	**IC 8031 Microprocessor**	
U13	**IC 4051B CMOS**	
	8 channel Analog MPX	
U14	**IC LM10 Voltage Reference**	
For U4 5 6	**Socket IC 24 Pin**	
For U10	**Socket IC 28 Pin**	
For U12	**Socket IC 40 Pin**	
Y1	**Cyrstal 6 MHz HC-18/U**	

Note: The following parts, as shown on the silkscreen, are not installed on this assembly.
U15, U16, C25, C27, J3, J8, and CR2.

Note: R45 and R16 not installed on earlier boards.

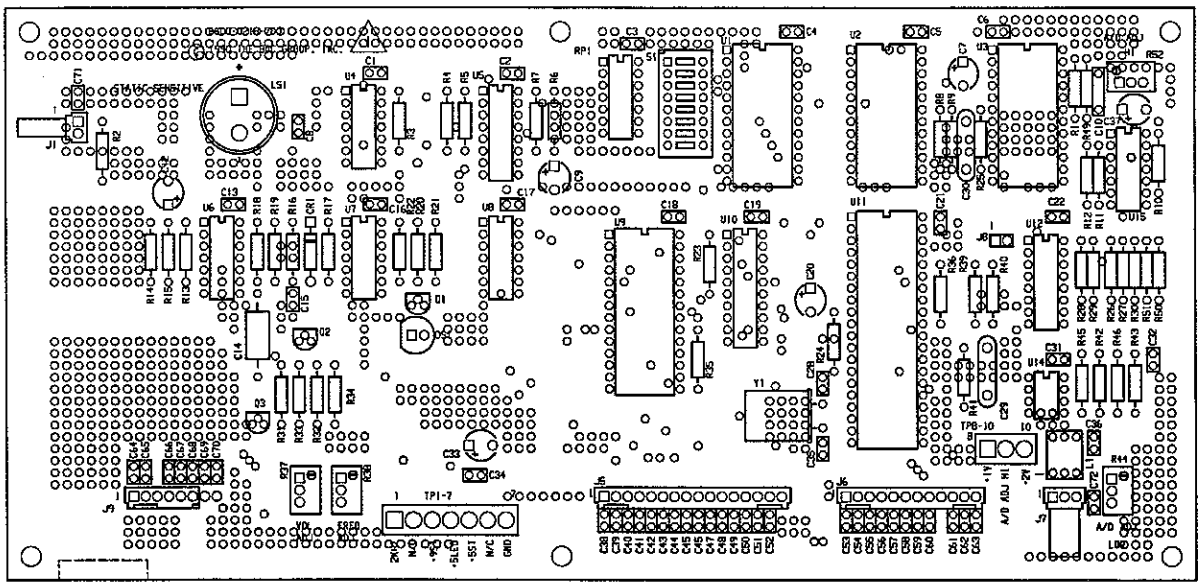
Figure 7-46
Control Board Layout
Units with software revision prior to 04.01

Symbol	Description
C1 2 4 5 7 8 9 10 17 18 19 20 21 22 23 24 29 33 34	Capacitor .1 µF 50 V 20% Ceramic
C3 6 11 28 30	Capacitor 15 µF 16 V 20% Tantalum
C12 13	Capacitor .27 µF 100 V 10% Polyester
C14	Capacitor 220 pF 1000 V 10%
C15	Capacitor 10 µF 20 V 10% Tantalum
C16	Capacitor .01 µF 100 V 10% Polypropylene
C31 32	Capacitor 33 pF 100 V 5% Ceramic
CR1	Diode IN4001
DS1	Diode LED Red HLMP 3366
J6	Header 12 ckt
J5	Header 16 ckt
J7	Header 3 ckt
J1	Header 2 ckt
LS1*	Audio Alarm 12 V
Q1 2	Transistor MPS6515 NPN
R1 33	Resistor 47k 1/4 W 5% Carbon Film
R2	Resistor 220k 1/4 W 5% Carbon Film
R3	Resistor 39k 1/4 W 5% Carbon Film
R4	Resistor 6.8k 1/4 W 5% Carbon Film
R5 17 19 36 39	Resistor 200 1/4 W 5% Carbon Film
R6 20 21 22 23 25 28	Resistor 5.76k 1/8 W 0.1% Metal Film
R7 8 26	Resistor 10K 1/8 W 0.1% Metal Film
R9 41	Resistor 100k 1/4 W 1% Metal Film
R10 11 14 18 29 30 34	Resistor 10k 1/4 W 5% Carbon Film
R12 15	Resistor 4.7k 1/4 W 5% Carbon Film
R13	Resistor 1 meg 1/4 W 5% Carbon Film
R16	Resistor 1k 1/4 W 5% Carbon Film
R24	Resistor 2.21k 1/8 W 0.1% Metal Film
R27	Resistor 220 ohm 1/4 W 5% Carbon Film
R31	Resistor 33k 1/4 W 5% Carbon Film
R32	Resistor 51 ohm 1/4 W 5% Carbon Film
R35	Resistor 510 ohm 1/4 W 5% Carbon Film
R44	Resistor var 500 ohm 3/4 W 10% 20 Turn
R38	Resistor var 10k 3006p-1-103
R40	Resistor 75k 1/4 W 1% Metal Film
R42	Resistor 453k 1/8 W 0.1% Metal Film
R43	Resistor 5.9k 1/4 W 0.1% Metal Film
R45	Resistor 2.7k 1/4 W 5%
RP1	Resistor Network 10k

* R37 Resistor VAR 500 ohm 10% when LS1 is 1" tall

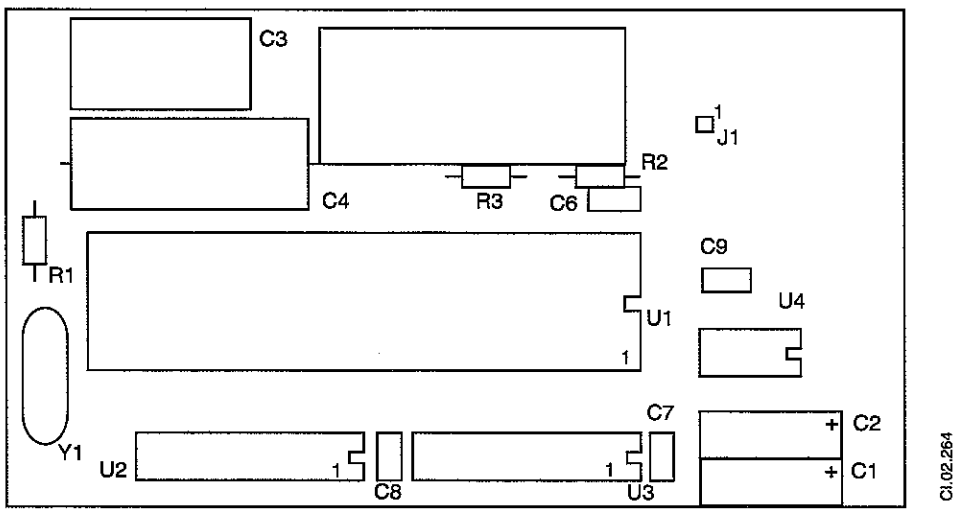
R37 Resistor VAR 2000 ohm 10% when LS1 is ½" tall

7.47 Control Board Layout



Note: Some software 04.00 boards do not have connector J9 shown above.

On Control boards with a A/D Module daughter board, the A/D module is installed a U3. The following components are not installed: C7, C10, C29, R1, R9 R40 and R41



Note: Daughter board shown solder side up.

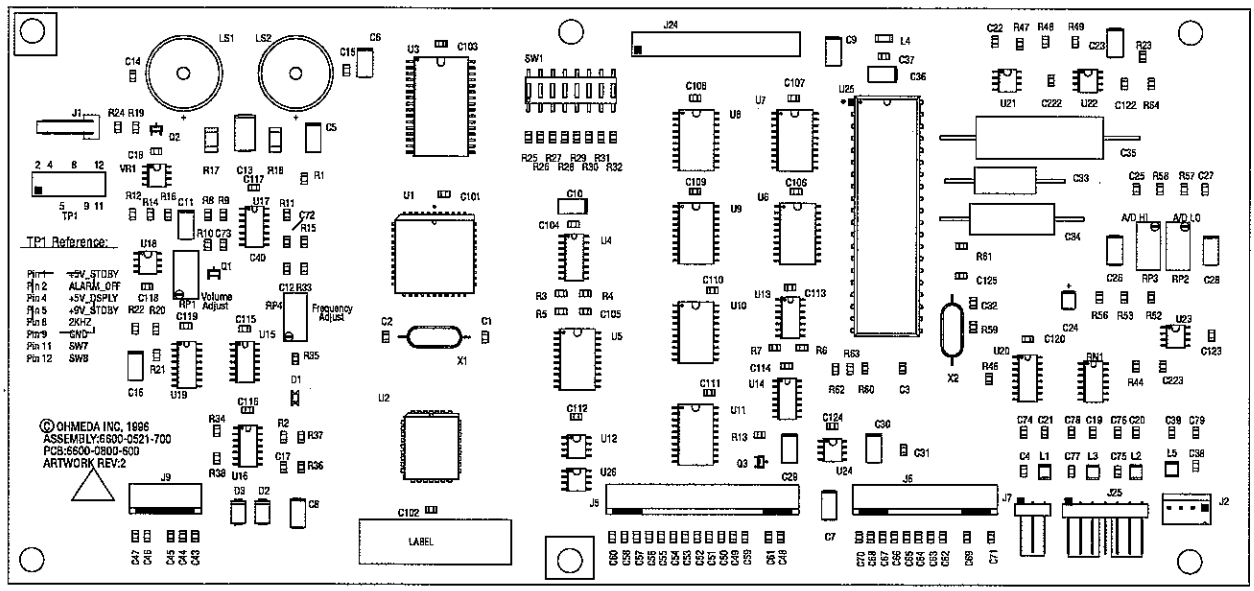
Figure 7-47
Control Board Layout
Units with software revision 4.00 through 05.10

DESCRIPTION	QTY	SYMBOL
SOCKET, 40 PIN	1	FOR U11
SOCKET, 28 PIN	1	FOR U9
HEADER, 7 PIN	1	TP1-7
HEADER, 3 PIN	1	TP8-10
HEADER, STRAIGHT 16 PIN	1	J5
HEADER, STRAIGHT 12 PIN	1	J6
HEADER, RTANG, 3 PIN	1	J7
HEADER, RTANG, 2 PIN	1	J1
HEADER, STRAIGHT 6 PIN	1	J9
SWITCH, DIP 8 POSITION	1	S1
LED HLMP-3366	1	DS1
ALARM	1	LS1
FILTER, EMI DATA LINE	1	L1
IC 74LS02	1	U8
IC 74LS123	1	U5
IC 74LS04	1	U4
IC 27128 PROGRAMMED V0.500	1	U9
IC 74LS373	1	U10
IC 8243	2	U1, 2
IC IN8032	1	U11
IC 4051B	1	U12
IC ADC3711	1	U3
IC LM10	1	U14
IC 7556	1	U6
IC 74LS132	1	U7
IC LM324	1	U15
CRYSTAL 6.0 MHz	1	Y1
TRANSISTOR MPS6515	2	Q1, 2
DIODE	1	CR1
CAPACITOR .01 MFD	1	C14
CAPACITOR 15 MFD	3	C7, 9, 20
CAPACITOR .27 MFD	2	C29, 30
CAPACITOR 10 MFD 10%	2	C12, 33
CAPACITOR 220 pF	1	C10
CAPACITOR 33 pF	37	C28, 35, 38-72
CAPACITOR 0.1 MFD	20	C1-6,8,13,15-19,21
		22,31,32,34,36
CAPACITOR 1 MFD	1	C37
RESISTOR 1K 0.1%	1	R49
RESISTOR PC 10K	1	RP1
RESISTOR VAR 500	2	R37, 44
RESISTOR 1 MEG 5%	1	R14
RESISTOR 47K 5%	1	R20
RESISTOR 100K 0.1%	5	R11,12,41,50,51
RESISTOR 200 5%	6	R7,9,23,35,36,39
RESISTOR 4.81K 0.1%	1	R46
RESISTOR 10K 5%	11	R2-5, 8, 13, 17,
		R18, 22, 24, 34
RESISTOR 267K 0.1%	1	R40
RESISTOR 33K 5%	2	R6, 32
RESISTOR 2.21K 0.1%	1	R42
RESISTOR 10K 0.1%	2	R29, 45
RESISTOR 5.76K 0.1%	4	R26-28, 30
RESISTOR 75K 1%	2	R15, 25
RESISTOR 1K 5%	2	R16, 19
RESISTOR 510 5%	1	R21
RESISTOR 51 5%	1	R33
RESISTOR 6.8K 5%	1	R1
RESISTOR VAR 20K	1	R38
RESISTOR 215 1%	1	R10
RESISTOR POTENTIOMETER, 20 OHMS	1	R52
RESISTOR 5.9K 0.1%	1	R43

6600-0002-850

CI.14.070

7.48 SMT Control Board Layout



CI.14.183

Figure 7-48
SMT Control Board Layout
Units with software revision 06.00 and higher

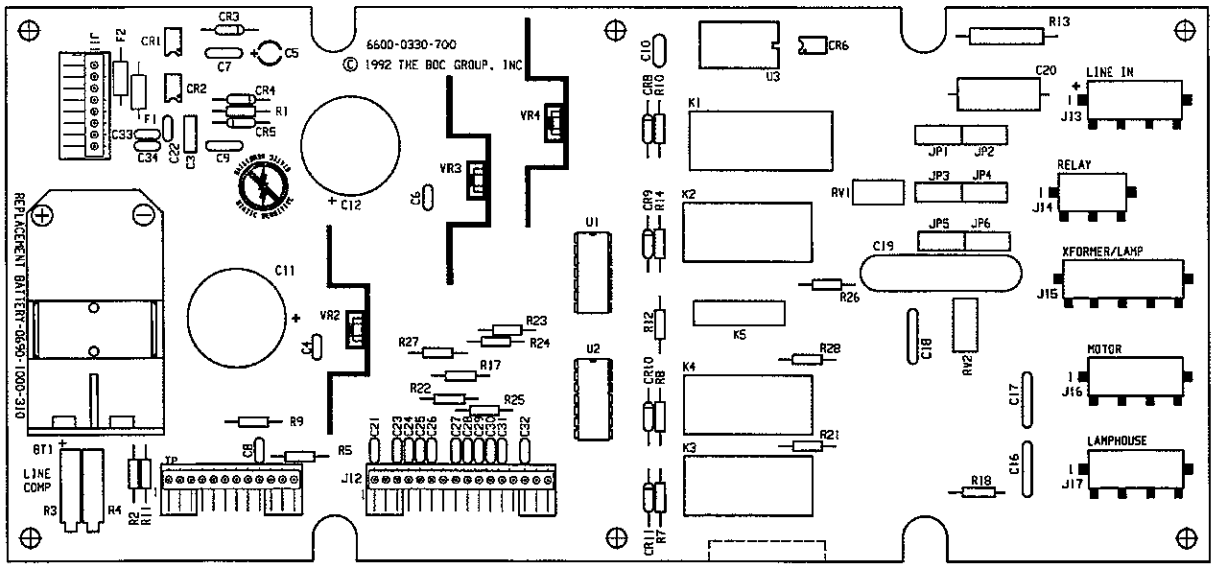
6600-0609-625	RESISTOR, 470, 5%, 0805 SMT	1	R35	14
6600-0609-661	RESISTOR, 22K, 5%, 0805 SMT	1	R33	14
6600-0609-601	RESISTOR, 0, 5%, 0805 SMT	1	R60	14
6600-0609-667	RESISTOR, 33K, 5%, 0805 SMT	1	R22	14
6600-0609-647	RESISTOR, 4.7K, 5%, 0805 SMT	14	R20,R21,R25-R32,R36-R38, R62	14
6600-0641-609	RESISTOR, 47, 5%, 2010 SMT	1	R17	14
6600-0609-635	RESISTOR, 1.5K, 5%, 0805 SMT	1	R16	14
6600-0609-682	RESISTOR, 130K, 5%, 0805 SMT	1	R14	14
6600-0609-638	RESISTOR, 2K, 5%, 0805 SMT	1	R19	14
6600-0609-613	RESISTOR, 100, 5%, 0805 SMT	1	R12	14
6600-0609-643	RESISTOR, 3.3K, 5%, 0805 SMT	1	R10	14
6600-0610-663	RESISTOR, 21.5K, 1%, 0805 SMT	1	R9	14
6600-0610-654	RESISTOR, 9.31K, 1%, 0805 SMT	1	R8	14
6600-0609-631	RESISTOR, 1K, 5%, 0805 SMT	7	R3-R5,R7,R13,R46,R63	14
6600-0609-655	RESISTOR, 10K, 5%, 0805 SMT	4	R1,R2,R11,R24	14
6600-0804-600	TRANSISTOR, NPN,MMBT4401	1	Q2	14
6600-0661-600	TRANSISTOR, NPN,MMBT3904	2	Q1,Q3	14
0690-1100-306	AUDIO TRANSDUCER	1	LS1	6,14
6600-0635-600	FERRITE BEAD	1	L4	14
6600-0660-601	INDUCTOR, 4.7UH	1	L1	14
6600-0659-614	HEADER, 2X14 PINS	1	J24	14
6600-0336-606	CONNECTOR, 6PIN	1	J9	14
6600-0340-603	CONNECTOR, 3PIN	1	J7	14
6600-0337-612	CONNECTOR, 12PIN	1	J6	14
6600-0337-616	CONNECTOR, 16PIN	1	J5	14
6600-0340-602	CONNECTOR, 2PIN	1	J1	14
6600-0615-601	DIODE, S1A	2	D2, D3	14
6600-0658-600	LED, PR1101 SMT	1	D1	14
6600-0803-613	CAPACITOR, .01UF, 5%, 1812, SMT	1	C40	14
6600-0570-600	CAPACITOR, 1UF, 10%	1	C35	14
6600-0569-600	CAPACITOR, 0.33UF, 10%	1	C34	14
6600-0568-600	CAPACITOR, 0.15UF, 10%	1	C33	14
6600-0537-601	CAPACITOR, 3.3UF, 20%, 3528, SMT	1	C24	14
6600-0603-601	CAPACITOR, 10UF, 20%, 6032, SMT	6	C23,C26,C28-C30,C35	14
6600-0618-603	CAPACITOR, 47UF, 20%, 7343, SMT	1	C13	14
6600-0602-610	CAPACITOR, 1800PF, 5%, 0805, SMT	1	C12	14
6600-0578-604	CAPACITOR, 33UF, 20%, 6032, SMT	1	C11	14
6600-0651-603	CAPACITOR, 15UF, 20%, 6032, SMT	7	C5-C10,C16	14
6600-0602-625	CAPACITOR, 0.1UF, 20%, 0805, SMT	35	C3,C14,C17,C18,C21,C22, C25,C27,C31,C37,C72, C73,C101,C102,C104-C111, C113-C117,C119,C120, C122-C125,C222,C223	14
6600-0600-614	CAPACITOR, 33PF, 10%, 0805, SMT	30	C1,C2,C4,C43,C44,C46, C47,C49-C52,C54-C71,C74	14
6600-0800-600	PC BOARD BLANK	1		
6600-1045-100	LOT/SERIAL NUMBERING SPEC	REF		8
6600-1027-100	ESD SENSITIVE DEVICE HNDL/PKG STD	REF		1,15
6600-2201-100	TEST SPECIFICATION	REF		9
6600-2199-100	FUNCTIONAL DESCRIPTION	REF		
6600-2202-100	SCHEMATIC	REF		
PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR	NOTES

CI.14.184

6600-0673-601	SOCKET, 32PIN PLCC	1	XU2	14
6600-0650-600	CRYSTAL, 3.579MHZ, SMT	1	X2	14
6600-0648-600	CRYSTAL, 6MHZ, SMT	1	X1	14
6600-0562-600	VOLTAGE REGULATOR, LM317L	1	VR1	14
6600-0563-600	ADC, 12 BIT ICL7109	1	U25	14
6600-0645-600	DC-DC INVERTER, ICL7660	1	U24	14
6600-0634-600	OP AMP LF411	2	U22, U23	14
6600-0654-600	BANDGAP REFERENCE LM385	1	U21	14
6600-0628-600	ANALOG MUX, 8 TO 1, 74HC4051	1	U20	14
6600-0674-600	DUAL ONE SHOT 74HC123A	1	U19	14
6600-0621-600	DUAL TIMER 556	1	U17	14
6600-0666-600	NAND, SCHMITT TRIGGER, 74HC132	1	U16	14
6600-0671-600	QUAD NOR GATE 74HC02	1	U15	14
6600-0670-600	QUAD OR GATE 74HC32	2	U13,U14	14
6600-0814-600	LATCH WITH CLEAR, 74HC273	2	U10,U11	14
6600-0668-600	BIDIRECTIONAL BUFFER, 74HC245	4	U6-U9	14
6600-0667-600	LATCH, TRANSPARENT, 74HC373	1	U5	14
6600-0664-600	DECODER, 3 TO 8 74HC138	1	U4	14
6600-0799-600	EPROM, PROGRAMMED	1	U2	17
6600-0629-600	MICROCONTROLLER, PLCC 8032	1	U1	14
6600-0659-606	HEADER, 2X6 PIN	1	TP1	14
6600-0576-600	DIP SWITCH, SMT	1	SW1	14,16
6600-0351-611	POTENTIOMETER, MULTI-TURN, 20K	1	RP4	14
6600-0351-606	POTENTIOMETER, MULTI-TURN, 500 ohm	2	RP2,RP3	14
6600-0351-610	POTENTIOMETER, MULTI-TURN, 10K	1	RP1	14
6600-0627-601	RESISTOR, NETWORK, 5.76K, 0.10%	1	RN1	14
6600-0609-602	RESISTOR, 10, 5%, 0805 SMT	1	R64	14
6600-0610-670	RESISTOR, 42.2K, 1%, 0805 SMT	1	R61	14
6600-0610-631	RESISTOR, 1K, 1%, 0805 SMT	2	R57,R58	14
6600-0610-636	RESISTOR, 1.65K, 1%, 0805 SMT	1	R53	14
6600-0610-641	RESISTOR, 2.55K, 1%, 0805 SMT	1	R52	14
6600-0610-671	RESISTOR, 43.2K, 1%, 0805 SMT	1	R49	14
6600-0610-655	RESISTOR, 10K, 1%, 0805 SMT	1	R48	14
6600-0609-651	RESISTOR, 6.8K, 5%, 0805 SMT	2	R47,R56	14
6600-0611-672	RESISTOR, 10K, 0.1%, 0805 SMT	1	R44	14
PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR	NOTES

CI.14.185

7.49 Power Supply Board Layout Common controller - Units w/HCA Serial No.



Description	Jumper Configuration JP1 2 3 4 5 6	Part Number
Service board, units with HCA serial#	Y N Y N Y N	6600-0012-850
Service board, IWS 5000 units without HCA serial#	N Y N Y N Y	6600-0182-700

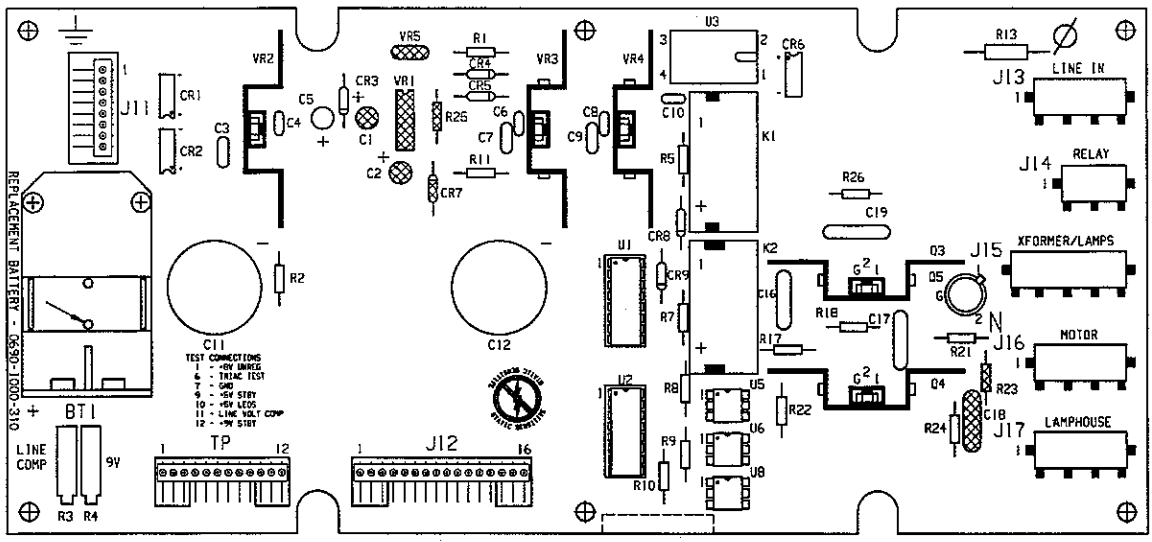
Note: Use Thermacote thermal joint compound (0220-5255-300) between components VR2, VR3 and VR4 and their respective heatsinks.

Figure 7-49
Power Supply Board Layout
Common controller
Units with HCA and HCC serial numbers

RESISTOR, 330, 5%, 1/4W	1	R12
TEST PROCEDURE FUNCTIONAL		
ESD SENSITIVE DEVICE HNDL/PKG STD		
LOT NUMBERING SPECIFICATION		
FUNCTIONAL DESCRIPTION		
SCHEMATIC		
PC BOARD, BLANK	1	
THERMACOTE		
4-40 X 1/4 SCREW	2	H1
4-40 NUT, SLFLCKING ELASTIC	3	H4
NO.4 LOCKWASHER	2	H2
4-40 HEX NUT	2	H3
CONN, HEADER, 3 SOCKET, 350825-1	1	J17
CONN, HEADER, 3 PIN, 350789-1	2	J13, J16
CONN, HEADER, 4 PIN, 350792-1	1	J15
CONN, HEADER, 2 PIN, 350786-1	1	J14
CONN, HEADER, 16 PIN, 1100-9-116-01	1	J12
CONN, HEADER, 12 PIN, 1100-9-112-01	1	TP
CONN, HEADER, 8 PIN, 1100-9-108-01	1	J11
FUSE, 2A	2	F1, F2
HEAT SINK, 6070B SF-1 MT	3	H5
BATTERY HOLDER	1	FOR BT1
IC, OPTO CYN65	1	U3
IC, MP06426	2	U1,U2
RELAY BA E3207-00-102 EICHHOFF	1	K2
RELAY SS 16 PIN DIP	1	K5
RELAY 16A, 250V	2	K3, 4
RELAY 16A, 250V (ALTERNATE)	2	K3, 4
IC LINEAR 7805C	3	VR2,VR3,VR4
DIODE BRIDGE 50V 1A	3	CR1,CR2,CR6
RELAY 20A E3209-00-307	1	K1
DIODE VSK120	1	CR4
DIODE IN4001	6	CR3,5,8,9,10,11
CAPACITOR, .33 MFD	1	C20
CAPACITOR, .47 MFD	1	C10
CAPACITOR, 4700 MFD, 35V	2	C11,C12
CAPACITOR, 15 MFD, 35V, 20%	1	C5
CAPACITOR, .33 MFD, 50V	3	C3,C7,C9
CAPACITOR, 0.1 MFD, 50V, 20%	3	C4,C6,C8
CAPACITOR, .01 MFD, 250V RMS	3	C16,C17,C18
CAPACITOR, .33 MFD, 600V	1	C19
RESISTOR, 56 5% 1/4W	1	R10
RESISTOR, VAR 10K	1	R3
RESISTOR, VAR 1K	1	R4
RESISTOR, 47K, 5%, 2W	1	R13
RESISTOR, 100K, 5%, 1/4W	1	R5
RESISTOR, 47, 5%, 1/4W	1	R28
RESISTOR, 470, 5%, 1/4W	1	R11
RESISTOR, 180, 5%, 1/4W	1	R9
RESISTOR, 3K, 5%, 1/4W	6	R17,22,23,24,25,27
RESISTOR, 100, 5%, 1/4W	2	R1,14
RESISTOR, 22, 5%, 1/4W	2	R18,21
RESISTOR, 100K, 1%, 1/4W	1	R2
RESISTOR, 10, 5%, 1/4W	1	R26
RESISTOR, 18, 5%, 1W	2	R7, 8
RESISTOR, 22, 5%, 1W (ALTERNATE)	2	R7, 8
VARISTOR, 320V AC	1	RV1
DESCRIPTION	**QTY**	**SYMBOL**

CI.14.073

7.50 Power Supply Board Layout Model 5000 115/220/240 V



Note: Use Thermacote thermal joint compound (0220-5255-300) between components VR2, VR3 and VR4 and their respective heatsinks.

Figure 7-50
Power Supply Board Layout
Model 5000 115/220/240 V
Units with AAN serial numbers

Parts Legend for Power Supply Board 115 V

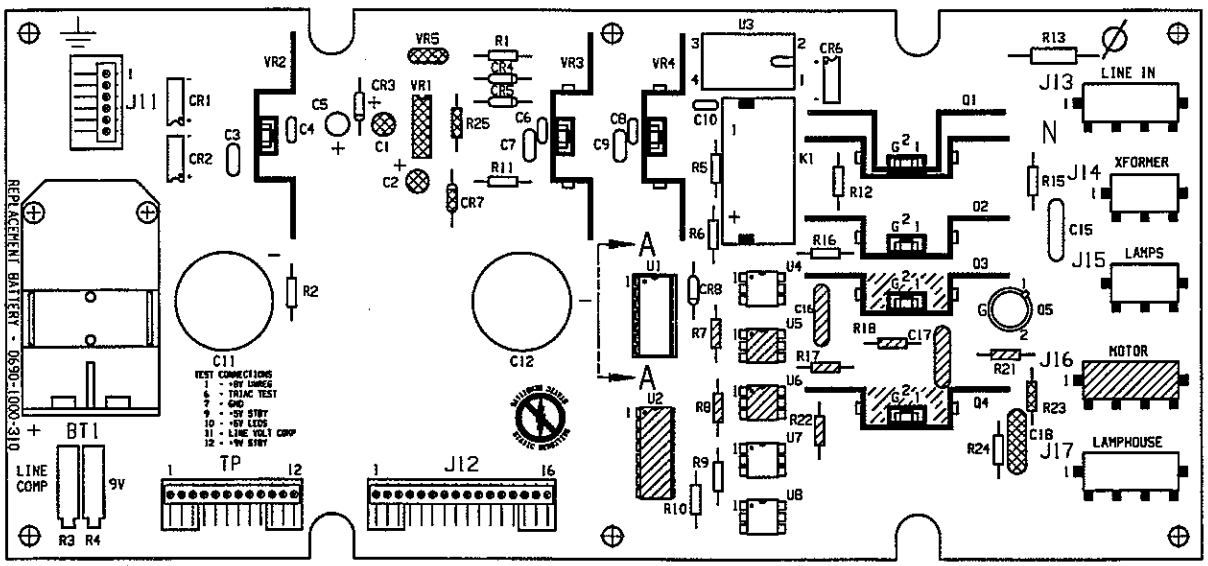
Symbol	Description
B1	Battery, 9 Volt Rechargeable
C3 7 9	Capacitor .33 µf 50V 20% Ceramic
C4 6 8	Capacitor .1 µf 50V 20% Ceramic
C5	Capacitor 15 µf 16V 20% Tantalum
C10	Capacitor .47 µf 50V 20% Ceramic
C11 12	Capacitor 4700 µf 16V 20% Electrolytic
C16 17	Capacitor .01 µf 1000V 20% Ceramic
C19	Capacitor .33 µf
CR1 2 6	Diode Bridge VM08
CR3 5 8	Diode IN4001
CR4	Diode Shottky VSK120
H1	Screw, 4-40 × ¼
H2	Lock-Washer int #4
H3	Hex Nut 4-40
H4	Nut Elast 4-40
H5	Heat Sink
For BT1	Battery Holder, 9 Volt
J11	Header 8 Pin
J12	Header 16 Pin
J13 16	Header 3 Pin
J14	Header 2 Pin
J15	Header 4 Socket
J17	Header 3 Socket
K1 2	Relay 9Vdc DPST
Q3 4	Triac MAC15A-8
Q5	IC T2300 Zero Crossing Triac
For Q5	Transistor Pad T0 5 Case
R1	Resistor 100 Ω ¼w 5% Carbon Film
R2	Resistor 100k ¼w 1% Metal Film
R3	Resistor var 10k 3006p-1-103
R4	Resistor var 1k 3006-p-103
R5	Resistor 100k ¼w 5% Carbon Film
R7 8 10	Resistor 510 Ω ¼w 5% Carbon Film
R9	Resistor 180 Ω ¼w 5% Carbon Composition
R11	Resistor 470 Ω ¼w 5% Carbon Film
R17 22 24	Resistor 150 Ω ¼w 5% Carbon Film
R13	Resistor 47K 2w 5% Carbon Composition
R18 21	Resistor 22 Ω ¼w 5% Carbon Composition
R26	Resistor 10 Ω ¼w 5% Carbon Composition
TP	Header 12 Pin
U1 2	IC VQ1000 CJ VMOS Power FET 6600-0176-800
U3	IC CNY65 Optoisolator
U5 6 8	IC 3022 Photo Triac Driver
VR2 3 4	IC 7805C Voltage Regulator 5V

Parts Legend for Power Supply Board 220/240 V

Symbol	Description
B1	Battery, 9 Volt Rechargeable
C3 7 9	Capacitor .33 µf 50V 20% Ceramic
C4 6 8	Capacitor .1 µf 50V 20% Ceramic
C5	Capacitor 15 µf 16V 20% Tantalum
C10	Capacitor .47 µf 50V 20% Ceramic
C11 12	Capacitor 4700 µf 16V 20% Electrolytic
C16 17	Capacitor .01 µf 1000V 20% Ceramic
C19	Capacitor .33 µf
CR1 2 6	Diode Bridge VM08
CR3 5 8	Diode IN4001
CR4	Diode Shottky VSK120
H1	Screw, 4-40 × ¼
H2	Lock-Washer int #4
H3	Hex Nut 4-40
H4	Nut Elast 4-40
H5	Heat Sink
For BT1	Battery Holder, 9 Volt
J11	Header 8 Pin
J12	Header 16 Pin
J13 16	Header 3 Pin
J14	Header 2 Pin
J15	Header 4 Socket
J17	Header 3 Socket
K1 2	Relay 9Vdc DPST
Q3 4	Triac MAC15A-10
Q5	IC T2300 Zero Crossing Triac
For Q5	Transistor Pad T0 5 Case
R1	Resistor 100 Ω ¼w 5% Carbon Film
R2	Resistor 100k ¼w 1% Metal Film
R3	Resistor var 10k 3006p-1-103
R4	Resistor var 1k 3006-p-103
R5	Resistor 100k ¼w 5% Carbon Film
R7 8 10	Resistor 510 Ω ¼w 5% Carbon Film
R9	Resistor 180 Ω ¼w 5% Carbon Composition
R11	Resistor 470 Ω ¼w 5% Carbon Film
R17 22 24	Resistor 150 Ω ¼w 5% Carbon Film
R13	Resistor 47K 2w 5% Carbon Composition
R18 21	Resistor 22 Ω ¼w 5% Carbon Composition
R26	Resistor 10 Ω ¼w 5% Carbon Composition
TP	Header 12 Pin
U1 2	IC VQ1000 CJ VMOS Power FET 6600-0176-800
U3	IC CNY65 Optoisolator
U5 6	IC IL420 Tested
U8	IC 3022 Photo Triac Driver
VR2 3 4	IC 7805C Voltage Regulator 5V

CI.14.194

7.51 Power Supply Board Layout Common controller - Units w/HCA Serial No.



CI.14.097

Figure 7-51
Power Supply Board Layout
Model 2001, 3000, 3300, and 3500
Units with HAK or AAN serial numbers

DESCRIPTION	QTY	SYMBOL
ESD SENSITIVE DEVICE HNDL/PKG STD		
LOT NUMBERING SPECIFICATION		
FUNCTIONAL DESCRIPTION		
SCHEMATIC		
PC BOARD. BLANK	1	
4-40 X 1/4 SCREW	2	H1
4-40 ELASTIC STOP NUT	5	H4
NO.4 LOCKWASHER	2	H2
4-40 HEX NUT	2	H3
HEADER. 3 SOCKET 350825-1	1	J17
HEADER. 3 PIN 350789-1	1	J13
HEADER. 2 SOCKET 350824-1	1	J15
HEADER. 2 PIN 350786-1	1	J14
HEADER. 16 PIN 1100-9-116-01	1	J12
HEADER. 12 PIN 1100-9-112-01	1	TP
HEADER. 6 PIN 1100-9-106-01	1	J11
SOCKET. 16 PIN MODIFIED	1	FOR U1
HEAT SINK. 6071B	1	H6
HEAT SINK. 6070B SF-1 MT	5	H5
BATTERY HOLDER	1	FOR BT1
IC 3040	1	U7
IC 3022	2	U4. U8
IC CNY65	1	U3
IC ULN2074B	1	U1
RELAY ST1E-DC9V	1	K1
TRIAC SPACER	1	FOR Q5
TRIAC MAC 15A-8	2	Q1. Q2
TRIAC T2300	1	Q5
VOLTAGE REG 7805C	3	VR2.VR3.VR4
BRIDGE RECTIFIER VM08	3	CR1.CR2.CR6
DIODE VSK120	1	CR4
DIODE	3	CR3.CR5.CR8
CAPACITOR .47 MFD	1	C10
CAPACITOR 4700 MFD 35V	2	C11.C12
CAPACITOR 15 MFD 35V 20	1	C5
CAPACITOR .33 MFD	3	C3.C7.C9
CAPACITOR 0.1 MFD	3	C4.C6.C8
CAPACITOR .01 MFD 250 VRMS	1	C15
RESISTOR. VAR 10K	1	R3
RESISTOR. VAR 1K	1	R4
RESISTOR 47K 5	1	R13
RESISTOR 100K 5	1	R5
RESISTOR 510 5 1/4W	2	R6. R10
RESISTOR 470 5 1/4W	1	R11
RESISTOR 180 5 1/4W	1	R9
RESISTOR 150 5 1/4W	3	R12. R16. R24
RESISTOR 100 5 1/4W	1	R1
RESISTOR 22 5 1/4W	1	R15
RESISTOR 100K 1 1/4W	1	R2

6600-0176-800

CI.14.098

7.52 Display Board Layout

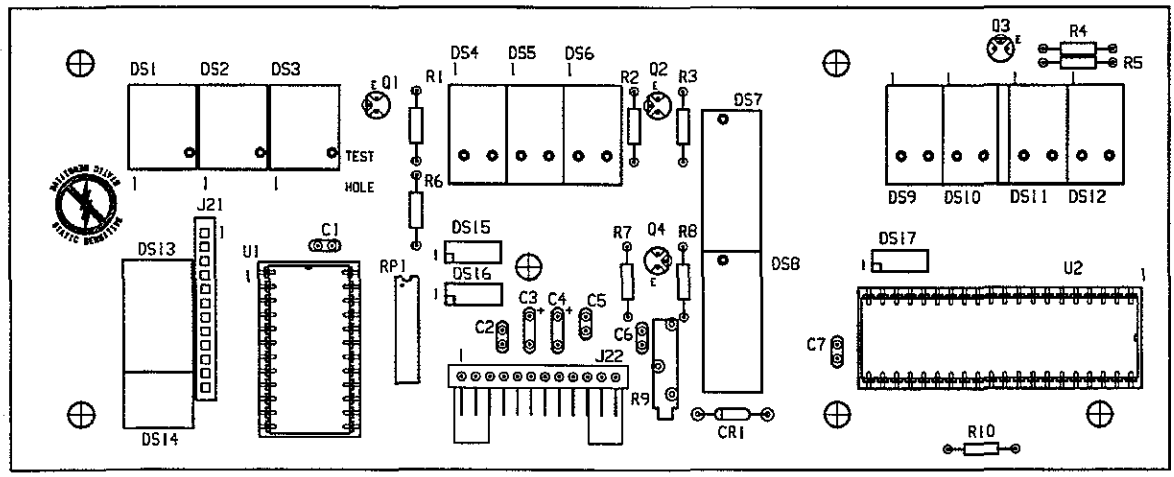
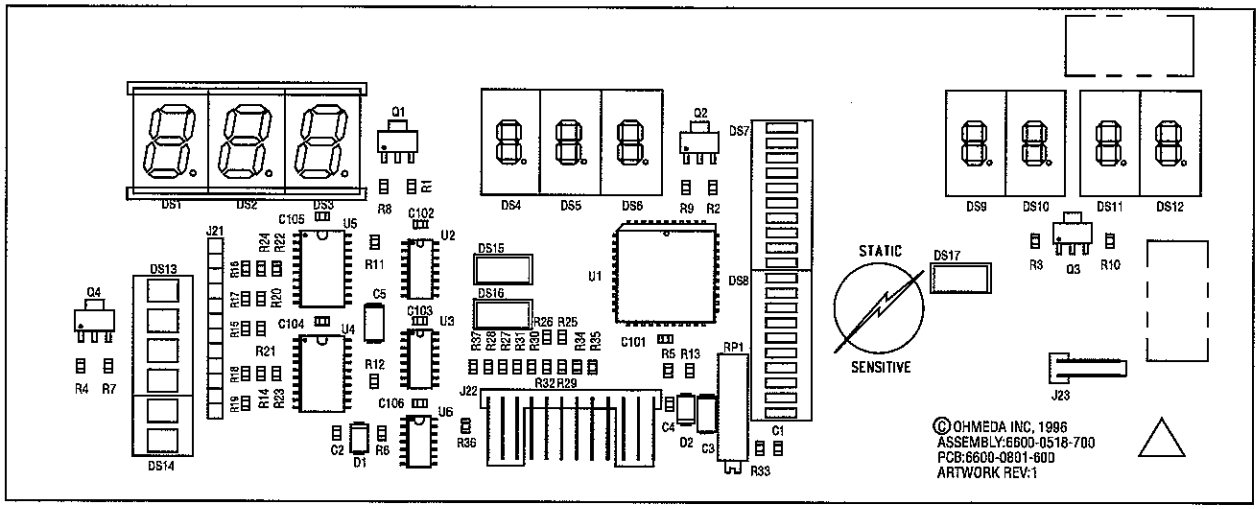


Figure 7-52
Display Board Layout

DESCRIPTION	QTY	SYMBOL
HEADER, 12 PIN, 1100-9-112-01	1	J22
SOCKET, 12 POS, SSA-112-S-T	2	FOR DS13, DS14
SOCKET, 20 POS, SSW-120-01-T-S	2	FOR DS7, DS8
SOCKET, 15 POS, SSA-115-S-T	3	FOR DS1, DS2, DS3
SOCKET, 12 POS, SSW-112-01-T-S	1	FOR J21
SOCKET, 4 POS, SSW-104-01-T-S	3	FOR DS15, DS16, DS17
SOCKET, 14 PIN, 14-8350-10WR	7	FOR DS4, DS5, DS6,
		DS9, DS10, DS11, DS12
SOCKET, 40 PIN, 840-AG11D	1	FOR U2
SOCKET, 24 PIN, 824-AG11D	1	FOR U1
LED, BAR, 8 ELEM, SEP, RED	1	DS13
LED, BAR, 4 ELEM, SEP, RED	1	DS14
LED, BAR, 2 ELEM, SOLID, YELLOW	3	DS15, DS16, DS17
LED, BAR, 10 ELEM, SEP, YELLOW	2	DS7, DS8
LED, 7 SEGMENT, .30", RED	7	DS4, DS5, DS6, DS9
		DS10, DS11, DS12
LED, 7 SEGMENT, .56", RED	3	DS1, DS2, DS3
IC MM5451 OR MM5450	1	U2
IC 8243	1	U1
TRANSISTOR MPSA63	4	Q1, Q2, Q3, Q4
DIODE	1	CR1
CAPACITOR 15 MFD	2	C3, C4
CAPACITOR 0.1 MFD 50V 20%	5	C1, C2, C5, C6, C7
RESISTOR PC 10K	1	RP1
RESISTOR 221 1% 1/4W	1	R10
RESISTOR, VARIABLE, 5K	1	R9
RESISTOR 180 5% 1/4W	4	R2, R5, R6, R7
RESISTOR 4.7K 5%	4	R1, R3, R4, R8

CI.14.075

7-53 SMT Display Board Layout



CI.14.186

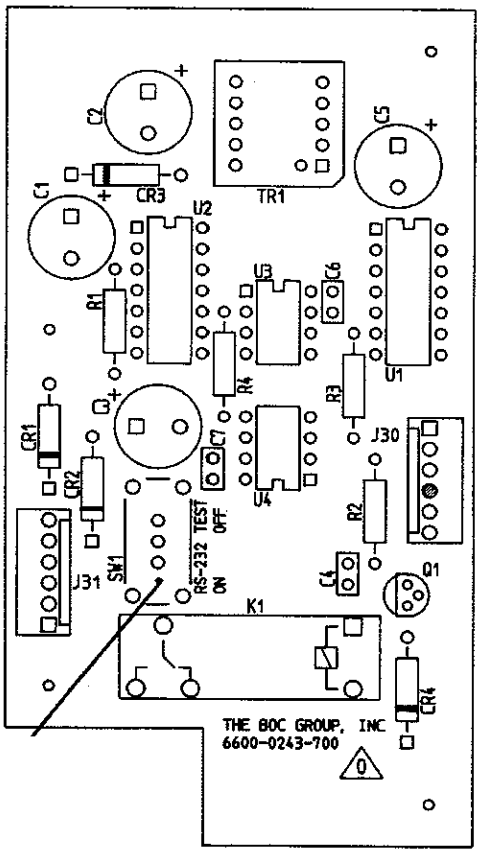
Figure 7-53
SMT Display Board Layout

6600-0602-625	CAPACITOR, 0.1UF, CERAMIC 0805, 20%	8	C1,C4,C101-C106	18
6600-0601-625	CAPACITOR, 1000PF, CERAMIC 0805, 10%	1	C2	18
6600-0603-602	CAPACITOR, 15UF, TANTALUM	2	C3,C5	18
6600-0615-601	DIODE, SMA	2	D1,D2	18
0690-2300-326	LED, 8 SEGMENT, HDSP-5531	3	DS1-DS3	7,8,18
0690-2300-325	LED, 8 SEGMENT, HDSP-5082	7	DS4-DS6, DS9-DS12	7.9.18
0683-9100-300	LED, 10 SEGMENT, HDSP-4840	2	DS7-DS8	7,10,18
0683-9020-303	LED, 4 SEGMENT, HLMP-2620	1	DS13	5.7.18
0683-9020-302	LED, 2 SEGMENT, HLMP-2600	1	DS14	5.7.18
0683-9020-304	LED, 1 SEGMENT, HLMP-2400	3	DS15-DS17	7,11,18
0690-2400-321	SOCKET, 15PIN, STRAIGHT	2	XDS1-XDS3	8,18
0690-2400-312	SOCKET, 14PIN, DIP	7	XDS4-XDS6, XDS9-XDS12	9,18
0690-2400-317	SOCKET, 20PIN, DIP	2	XDS7-XDS8	10,18
0690-2400-320	SOCKET, 12PIN, STRAIGHT	2	XDS13-XDS14	5,18
0690-2400-316	SOCKET, 4PIN, STRAIGHT	3	XDS15-XDS17	11,18
0690-2400-318	CONNECTOR, 12PIN, STRAIGHT	1	J21	18
6600-0340-612	CONNECTOR, 12PIN, RT. ANGLE	1	J22	6,18
6600-0340-602	CONNECTOR, 2PIN, RT. ANGLE	1	J23	18
6600-0617-600	TRANSISTOR, SOT-223, PZTA64	4	Q1-Q4	18
6600-0609-618	RESISTOR, 180, 5%, 0805	6	R1-R6	18
6600-0609-647	RESISTOR, 4.7K, 5%, 0805	6	R7-R12	18
6600-0610-620	RESISTOR, 221, 1%, 0805	1	R13	18
6600-0609-655	RESISTOR, 10K, 5%, 0805	19	R14-R28, R34-R37	18
6600-0609-607	RESISTOR, 33, 5%, 0805	4	R29 - R32	18
6600-0352-609	POTENTIOMETER, 5K, 3006P	1	RP1	18
6600-0614-600	IC, M5451, PLCC 44	1	U1	18
6600-0663-600	IC,74HC175, SO-16	1	U2	18
6600-0664-600	IC, 74HC138, SO-16	1	U3	18
6600-0665-600	IC, 74HC244, SOL-20	2	U4,U5	18
6600-0666-600	IC, 74HC132, SO-14	1	U6	18
6600-0801-600	PC BOARD BLANK	1		
6600-1045-100	LOT/SERIAL NUMBERING SPEC	REF		12
6600-1027-100	ESD SENSITIVE DEVICE HNDL/PKG STD	REF		1,20
6600-2201-100	TEST SPECIFICATION	REF		13
6600-2200-100	FUNCTIONAL DESCRIPTION	REF		
6600-2203-100	SCHEMATIC	REF		
PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR	NOTES

CI.14.187

7.54 ThermaLink Board Layout

Boards with test switch



RS-232
Self test switch

Boards without test switch

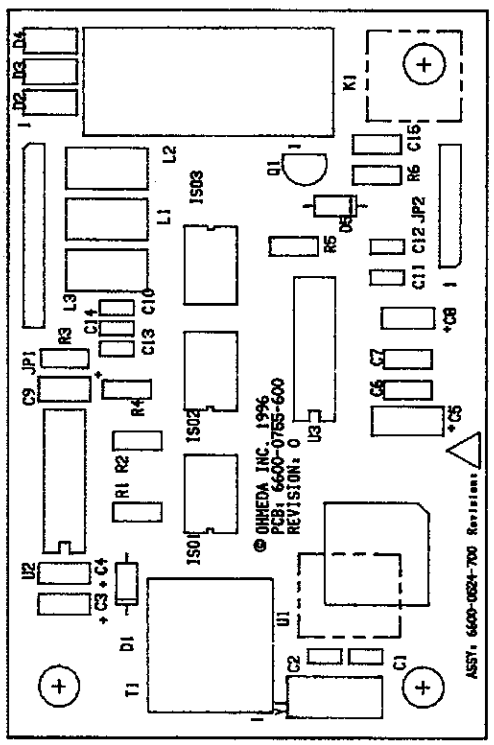


Figure 7-54
ThermaLink Board Layout
Units with HCA serial numbers

Components - ThermaLink Board with test switch

RESISTOR 220 5%	1	R1
RESISTOR 3 K 5%	1	R2
RESISTOR 3.9 K 5%	2	R3, R4
CAPACITOR 1 UF	3	C1, C2, C5
CAPACITOR 4.7 UF	1	C3
CAPACITOR 0.1 UF	1	C4
TRANSISITOR MPSA14	1	Q1
BI-DIR ZENER SA24C	2	CR1, CR2
DIODE 1N4001	2	CR3, CR4
RELAY AM ZETTLER AZ696-1C-5DE	1	K1
TRANSFORMER SCHOTT 67122750	1	TR1
IC MAX250CPD	1	U1
IC MAX251CPD	1	U2
IC 6N136	2	U3, U4
HEADER 6 PIN	2	J30, J31
SLIDE SWITCH MSS-1200	1	SW1
DESCRIPTION	QTY	SYMBOL

Components - ThermaLink Board without test switch

CRYSTAL 11.059 MHZ	1	Y1
TRANSFORMER	1	T1
TRANSISTOR MPSA14	1	Q1
INDUCTOR FERRITE BEAD	3	L1.L2.L3
RELAY SPDT 10 A	1	K1
HEADER 6 PIN	1	JP2
HEADER 9 PIN	1	JP1
IC OPTO ISOLATOR 6N136	3	ISO1.ISO2.ISO3
SOCKET PLCC 44 PIN	1	U1 SOCKET
IC RS232 DRIVER MAX250	1	U3
IC RS232 DRIVER MAX251	1	U2
MICROCONTROLLER PROGRAMMED 87C52	1	U1
TRANSIENT SUPPRESSOR SMBJ24CA	3	D2.D3.D4
DIODE 1N4001	2	D1.D5
RESISTOR 3.9 KOHMS 5 % 1/8 W	4	R1.R2.R5.R6
RESISTOR 220 OHMS 5 % 1/8 W	2	R3.R4
CAPACITOR 4.7 UFD 10 V 20%	1	C9
CAPACITOR 10 UFD 10 V 20%	1	C5
CAPACITOR 1 UFD 20 V 20%	3	C3.C4.C8
CAPACITOR 0.1 UFD 50 V 20%	3	C6.C7.C15
CAPACITOR 33 PFD 50 V 10%	7	C1.C2.C10.C11.C12. C13.C14
PC BOARD BLANK	1	
ESD SENSITIV DEVICE HANDLING STD	REF	
LOT/SERIAL NUMBER SPECIFICATION	REF	
TEST SPECIFICATION	REF	
FUNCTIONAL DESCRIPTION	REF	
SCHEMATIC	REF	
DESCRIPTION	QTY	REF DESIGNATION

CI.14.166

7.55 EMI Noise Suppression

Electrostatic discharge (ESD) shielding and grounding improvements have been made to all new IWS models. Improvements have also been added to reduce IWS susceptibility to power line conducted and radiated electromagnetic interference (EMI).

Older units will require ESD shielding when the controller board is replaced. Each controller service kit includes EMI shielding to minimize susceptibility of the replacement controller board to Electrostatic discharge, power line conducted and radiated electromagnetic interference.

WARNING ⚠ **Do not install the control board without ESD shielding in place. Failure to do so may result in hazardous ESD induced failures.**

To confirm that your IWS unit has shielding already in place, remove the controller cover. The large silver control board shield should be the first thing you see. Refer to Figure 7-1.

Order kits:

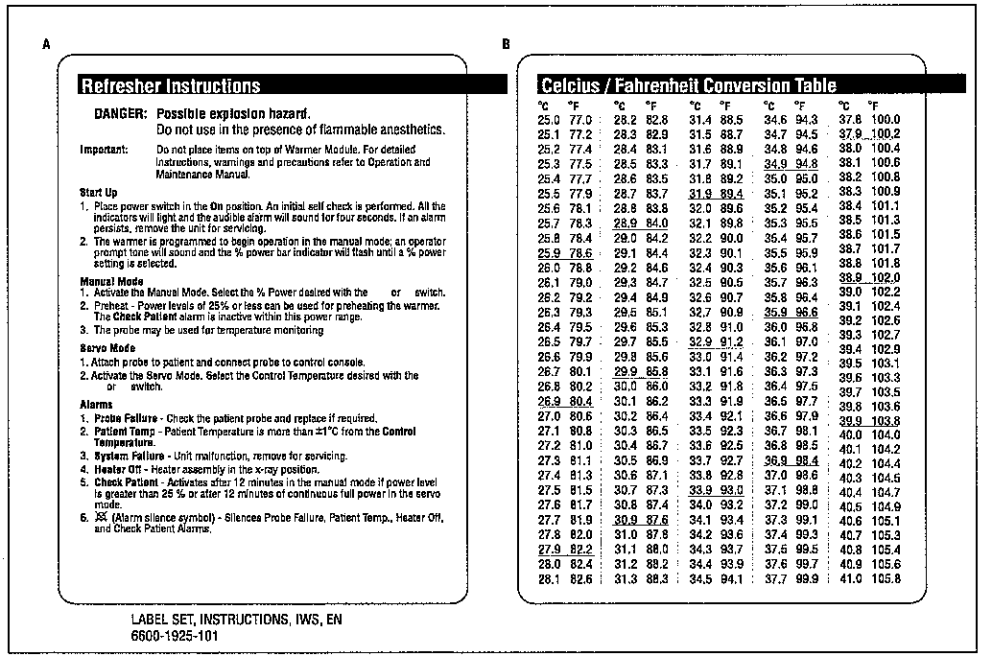
6600-0360-800 EMI Noise Suppression Kit for English IWS Models
6660-0360-801 EMI Noise Suppression Kit for French IWS Models
6600-0360-802 EMI Noise Suppression Kit for Spanish IWS Models
6600-0360-803 EMI Noise Suppression Kit for German IWS Models
6600-0360-804 EMI Noise Suppression Kit for Spanish IWS 2001 Models
6600-0360-805 EMI Noise Suppression Kit for French IWS 2001 Models
6600-0360-806 EMI Noise Suppression Kit for English IWS 2001 Models

Kits include:

Control board	6600-0223-700
Line filter	6600-0170-600
Switch panel (English)	0208-5129-300
Ribbon cable	6600-0211-700
Display board EMI shield	6600-0508-500
Control board EMI shield	6600-0509-500
Shielded cable assembly	6600-0261-600

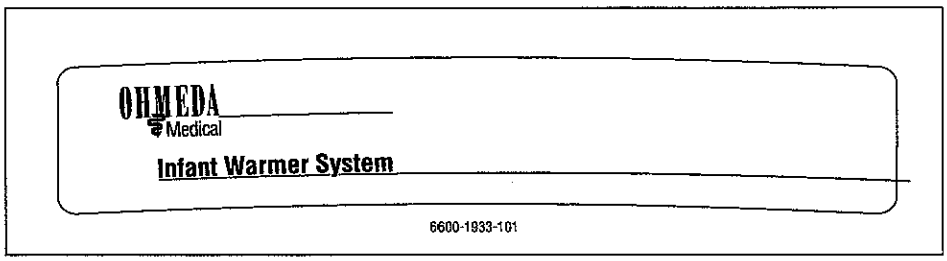
Miscellaneous hardware including stand offs, spring clips, screws and washers.

7.56 Label Sets


A
Refresher Instructions
DANGER: Possible explosion hazard.
Do not use in the presence of flammable anesthetics.
Important: Do not place items on top of Warmer Module. For detailed instructions, warnings and precautions refer to Operation and Maintenance Manual.
Start Up
1. Place power switch in the On position. An initial self check is performed. All the indicators will light and the audible alarm will sound for four seconds. If an alarm persists, remove the unit for servicing.
2. The warmer is programmed to begin operation in the manual mode; an operator prompt tone will sound and the % power bar indicator will flash until a % power setting is selected.
Manual Mode
1. Activate the Manual Mode. Select the % Power desired with the or switch.
2. Preheat - Power levels of 25% or less can be used for preheating the warmer. The Check Patient alarm is inactive within this power range.
3. The probe may be used for temperature monitoring.
Servo Mode
1. Attach probe to patient and connect probe to control console.
2. Activate the Servo Mode. Select the Control Temperature desired with the or switch.
Alarms
1. Probe Failure - Check the patient probe and replace if required.
2. Patient Temp - Patient Temperature is more than ±1°C from the Control Temperature.
3. System Failure - Unit malfunction, remove for servicing.
4. Heater Off - Heater assembly in the x-ray position.
5. Check Patient - Activates after 12 minutes in the manual mode if power level is greater than 25 % or after 12 minutes of continuous full power in the servo mode.
6. (Alarm silence symbol) - Silences Probe Failure, Patient Temp., Heater Off, and Check Patient Alarms.
B
Celcius / Fahrenheit Conversion Table
°C °F °C °F °C °F °C °F °C °F
25.0 77.0 28.2 82.8 31.4 88.5 34.6 94.3 37.8 100.0
25.1 77.2 28.3 82.9 31.5 88.7 34.7 94.5 37.9 100.2
25.2 77.4 28.4 83.1 31.6 88.9 34.8 94.6 38.0 100.4
25.3 77.5 28.5 83.3 31.7 89.1 34.9 94.8 38.1 100.6
25.4 77.7 28.6 83.5 31.8 89.2 35.0 95.0 38.2 100.8
25.5 77.9 28.7 83.7 31.9 89.4 35.1 95.2 38.3 100.9
25.6 78.1 28.8 83.8 32.0 89.6 35.2 95.4 38.4 101.1
25.7 78.3 28.9 84.0 32.1 89.8 35.3 95.5 38.5 101.3
25.8 78.4 29.0 84.2 32.2 90.0 35.4 95.7 38.6 101.5
25.9 78.6 29.1 84.4 32.3 90.1 35.5 95.9 38.7 101.7
26.0 78.8 29.2 84.6 32.4 90.3 35.6 96.1 38.8 101.8
26.1 79.0 29.3 84.7 32.5 90.5 35.7 96.3 38.9 102.0
26.2 79.2 29.4 84.9 32.6 90.7 35.8 96.4 39.0 102.2
26.3 79.3 29.5 85.1 32.7 90.9 35.9 96.6 39.1 102.4
26.4 79.5 29.6 85.3 32.8 91.0 36.0 96.8 39.2 102.6
26.5 79.7 29.7 85.5 32.9 91.2 36.1 97.0 39.3 102.7
26.6 79.9 29.8 85.6 33.0 91.4 36.2 97.2 39.4 102.9
26.7 80.1 29.9 85.8 33.1 91.6 36.3 97.3 39.5 103.1
26.8 80.2 30.0 86.0 33.2 91.8 36.4 97.5 39.6 103.3
26.9 80.4 30.1 86.2 33.3 91.9 36.5 97.7 39.7 103.5
27.0 80.6 30.2 86.4 33.4 92.1 36.6 97.9 39.8 103.6
27.1 80.8 30.3 86.5 33.5 92.3 36.7 98.1 39.9 103.8
27.2 81.0 30.4 86.7 33.6 92.5 36.8 98.5 40.0 104.0
27.3 81.1 30.5 86.9 33.7 92.7 36.9 98.4 40.1 104.2
27.4 81.3 30.6 87.1 33.8 92.8 37.0 98.6 40.2 104.4
27.5 81.5 30.7 87.3 33.9 93.0 37.1 98.8 40.3 104.6
27.6 81.7 30.8 87.4 34.0 93.2 37.2 99.0 40.4 104.7
27.7 81.9 30.9 87.6 34.1 93.4 37.3 99.1 40.5 104.9
27.8 82.0 31.0 87.8 34.2 93.6 37.4 99.3 40.6 105.1
27.9 82.2 31.1 88.0 34.3 93.7 37.5 99.5 40.7 105.3
28.0 82.4 31.2 88.2 34.4 93.9 37.6 99.7 40.8 105.4
28.1 82.6 31.3 88.3 34.5 94.1 37.7 99.9 40.9 105.6

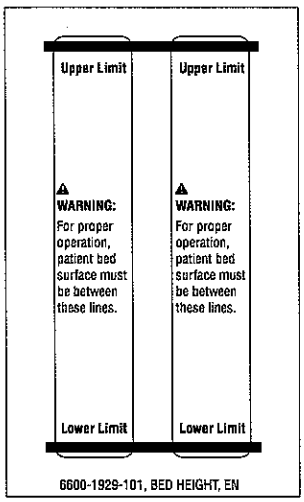
LABEL SET, INSTRUCTIONS, IWS, EN
6600-1925-101

English	6600-1925-101
French	6600-1925-102
Spanish	6600-1925-103
German	6600-1925-104
Italian	6600-1925-105
Swedish	6600-1925-106
Japanese	6600-1925-107



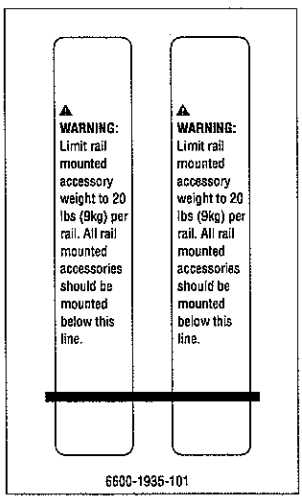
6600-1933-101

English	6600-1933-101
French	6600-1933-102
Spanish	6600-1933-103
German	6600-1933-104
Italian	6600-1933-105
Swedish	6600-1933-106
Japanese	6600-1933-107


Upper Limit
Upper Limit
WARNING:
For proper operation, patient bed surface must be between these lines.
WARNING:
For proper operation, patient bed surface must be between these lines.
Lower Limit
Lower Limit

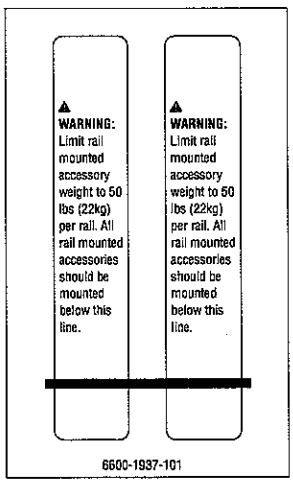
6600-1929-101, BED HEIGHT, EN

English	6600-1929-101
French	6600-1929-102
Spanish	6600-1929-103
German	6600-1929-104
Italian	6600-1929-105
Swedish	6600-1929-106
Japanese	6600-1929-107


WARNING:
Limit rail mounted accessory weight to 20 lbs (9kg) per rail. All rail mounted accessories should be mounted below this line.
WARNING:
Limit rail mounted accessory weight to 20 lbs (9kg) per rail. All rail mounted accessories should be mounted below this line.

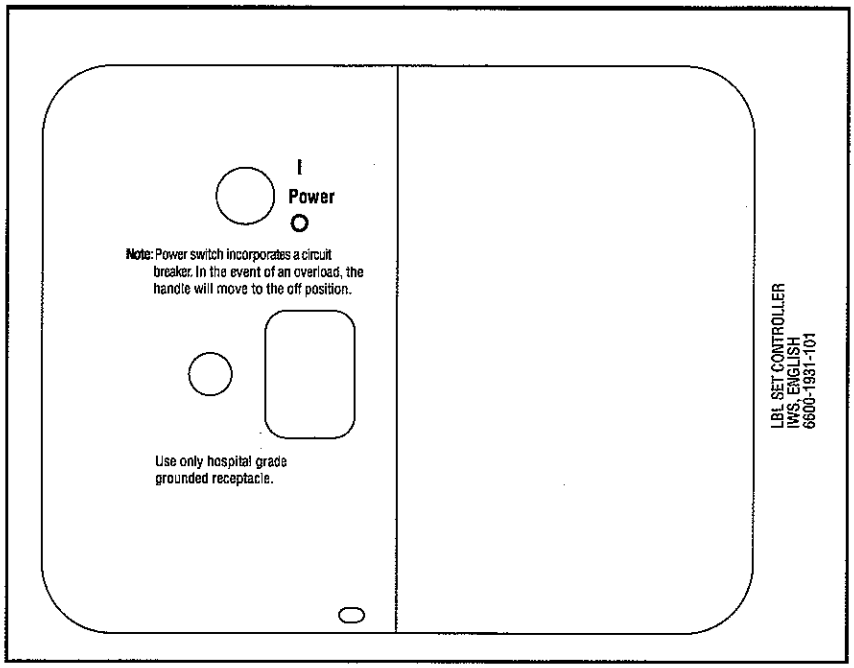
6600-1935-101

English	6600-1935-101
French	6600-1935-102
Spanish	6600-1935-103
German	6600-1935-104
Italian	6600-1935-105
Swedish	6600-1935-106
Japanese	6600-1935-107


WARNING:
Limit rail mounted accessory weight to 50 lbs (22kg) per rail. All rail mounted accessories should be mounted below this line.
WARNING:
Limit rail mounted accessory weight to 50 lbs (22kg) per rail. All rail mounted accessories should be mounted below this line.

6600-1937-101

English	6600-1937-101
French	6600-1937-102
Spanish	6600-1937-103
German	6600-1937-104
Italian	6600-1937-105
Swedish	6600-1937-106
Japanese	6600-1937-107


I
Power
O
Note: Power switch incorporates a circuit breaker. In the event of an overload, the handle will move to the off position.
Use only hospital grade grounded receptacle.
LBL SET CONTROLLER
IWS, ENGLISH
6600-1931-101

English	6600-1931-101
French	6600-1931-102
Spanish	6600-1931-103
German	6600-1931-104
Italian	6600-1931-105
Swedish	6600-1931-106
Japanese	6600-1931-107

Cl.14.145

Shelf Load Limit
20 lbs. max (9kg)

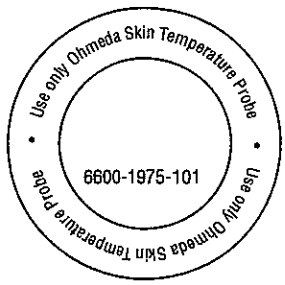
6600-1939-101

English	6600-1939-101
French	6600-1939-102
Spanish	6600-1939-103
German	6600-1939-104
Italian	6600-1939-105
Swedish	6600-1939-106
Japanese	6600-1939-107

Shelf Load Limit
50 lbs. (22kg) max at 56" from floor (1.4m)

6600-1941-101

English	6600-1941-101
French	6600-1941-102
Spanish	6600-1941-103
German	6600-1941-104
Italian	6600-1941-105
Swedish	6600-1941-106
Japanese	6600-1941-107



English	6600-1975-101
French	6600-1975-102
Spanish	6600-1975-103
German	6600-1975-104
Italian	6600-1975-105
Swedish	6600-1975-106
Japanese	6600-1975-107

⚠ **CAUTION:** Maximum Drawer Load: 5 lbs. (2.25 Kg)

6600-1996-101

English	6600-1996-101
French	6600-1996-102
Spanish	6600-1996-103
German	6600-1996-104
Italian	6600-1996-105
Swedish	6600-1996-106
Japanese	6600-1996-107

⚠ **CAUTION:** Maximum Drawer Load: 8 lbs. (3.64 Kg)

6600-1998-101

English	6600-1998-101
French	6600-1998-102
Spanish	6600-1998-103
German	6600-1998-104
Italian	6600-1998-105
Swedish	6600-1998-106
Japanese	6600-1998-107

This product complies with the requirements of the standard for Medical and Dental Equipment, UL544, 2nd Edition.

Ohmeda
Columbia MD 21046 1801 USA

6600-1990-101

Cl.14.142

6600-1990-101 Only
Contact Technical Support to order

LR87400

Certified to the requirements of the Canadian Electrical Code. CSA has not investigated other physiological effects.

Certifié selon les exigences du code Canadien de l'electricité. L'ACNOR n'a pas etudié les autres effets physiologiques possibles.

DANGER: Risque d'explosion. Ne pas employer en présence d'anesthésiques inflammables.

CSA Standard C22.2 No.125 — Risk Class 2G

6600-1945-101

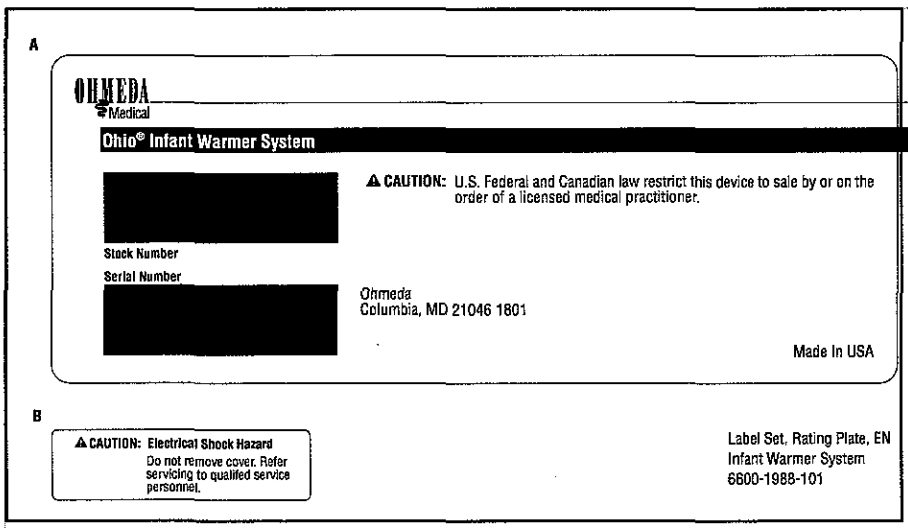
Cl.14.152

6600-1945-101 Only
Contact Technical Support to order

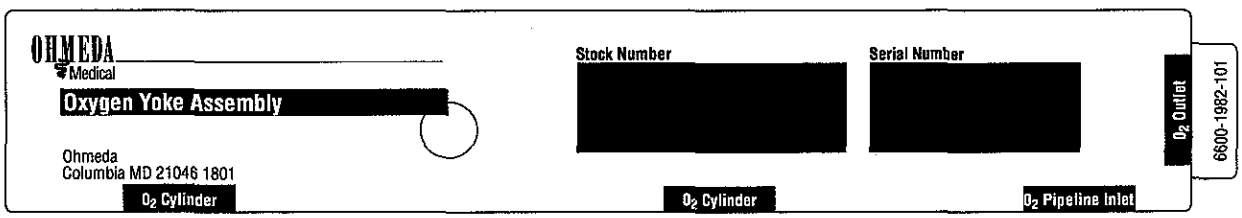
⚠ **WARNING:** Do not leave patient unattended when side panels are lowered.

6600-1959-101

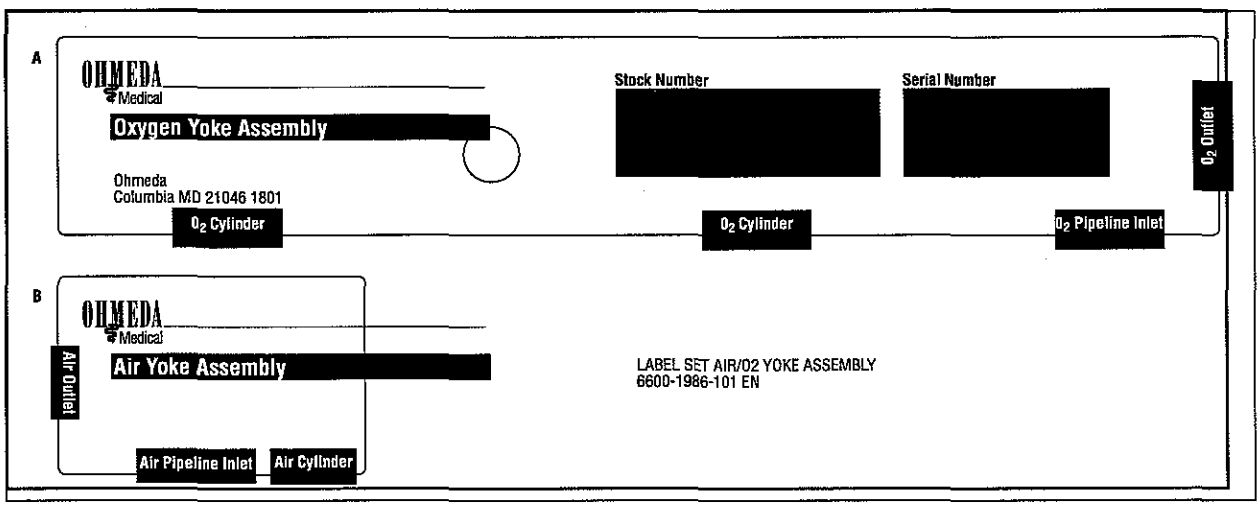
English	6600-1959-101
French	6600-1959-102
Spanish	6600-1959-103
German	6600-1959-104
Italian	6600-1959-105
Swedish	6600-1959-106
Japanese	6600-1959-107


A
OHMEDA
Medical
Ohio® Infant Warmer System
⚠ CAUTION: U.S. Federal and Canadian law restrict this device to sale by or on the order of a licensed medical practitioner.
Stock Number
Serial Number
Ohmeda
Columbia, MD 21046 1801
Made In USA
B
⚠ CAUTION: Electrical Shock Hazard
Do not remove cover. Refer servicing to qualifed service personnel.
Label Set, Rating Plate, EN
Infant Warmer System
6600-1988-101

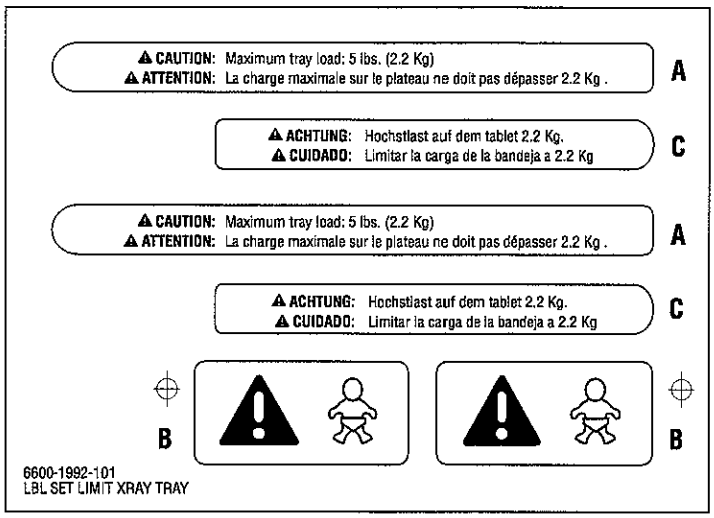
English	6600-1988-101
French	6600-1988-102
Spanish	6600-1988-103
German	6600-1988-104
Italian	6600-1988-105
Swedish	6600-1988-106
Japanese	6600-1988-107



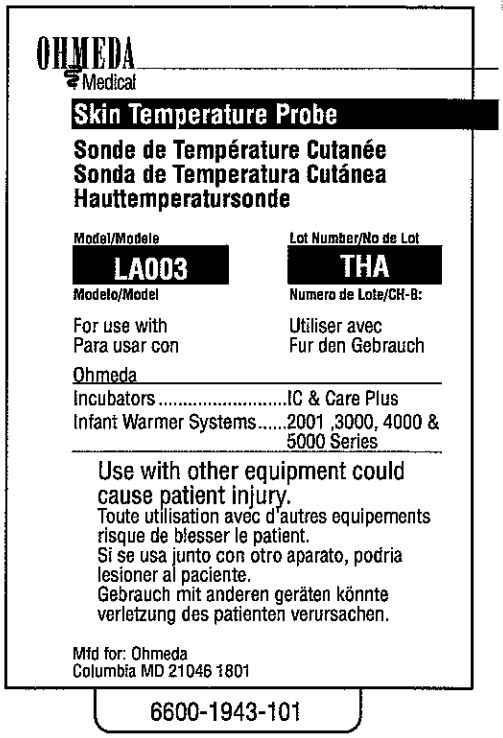
Contact Technical Support to order



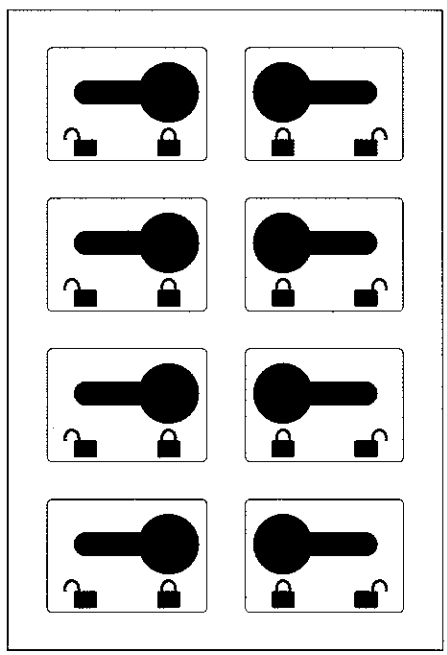
Contact Technical Support to order


⚠ CAUTION: Maximum tray load: 5 lbs. (2.2 Kg)
⚠ ATTENTION: La charge maximale sur le plateau ne doit pas dépasser 2.2 Kg .
A
⚠ ACHTUNG: Hochstlast auf dem tablet 2.2 Kg.
⚠ CUIDADO: Limitar la carga de la bandeja a 2.2 Kg
C
⚠ CAUTION: Maximum tray load: 5 lbs. (2.2 Kg)
⚠ ATTENTION: La charge maximale sur le plateau ne doit pas dépasser 2.2 Kg .
A
⚠ ACHTUNG: Hochstlast auf dem tablet 2.2 Kg.
⚠ CUIDADO: Limitar la carga de la bandeja a 2.2 Kg
C
B
B
6600-1992-101
LBL SET LIMIT XRAY TRAY

6600-1992-101 Only

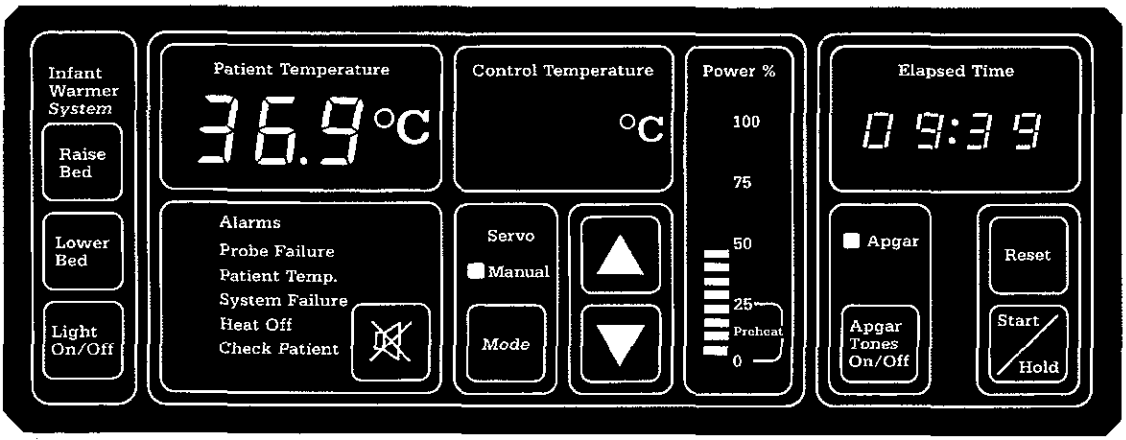


6600-1943-101 Only



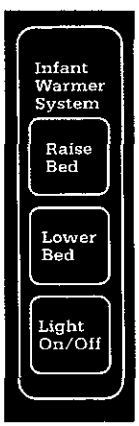
6600-1994-101 Only

Switch Panel Label - Units with HAK, HAJ, AAN and HCA Serial Numbers



English	0205-4945-300
Spanish	6600-0462-100
French	6600-0100-100
German	6600-0472-100
Italian	6600-1549-100
Swedish	6600-1551-100

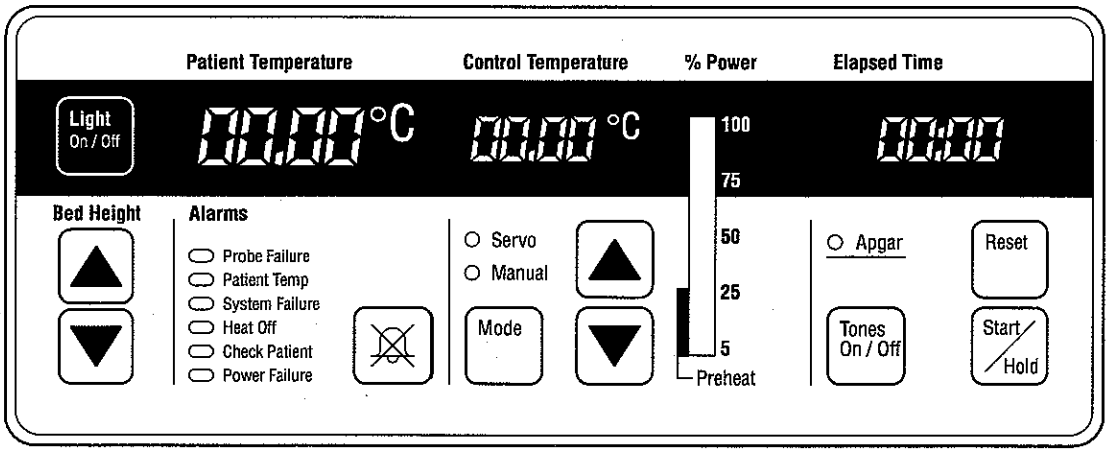
Model 2001, English (Includes model no. insert)	6600-0238-100
Model 2001, Spanish (Includes model no. insert)	6600-0266-100
Model 2001, French (Includes model no. insert)	6600-0267-100



Model Number	English	Spanish	French	German	Italian	Swedish
3000	6600-1461-100	6600-1461-101	6600-1461-102	6600-1461-103	6600-1461-104	6600-1461-105
3050	6600-1461-106	6600-1461-107	6600-1461-108	6600-1461-109	6600-1461-110	6600-1461-111
3100	6600-1461-112	6600-1461-113	6600-1461-114	6600-1461-115	6600-1461-116	6600-1461-117
3150	6600-1461-118	6600-1461-119	6600-1461-120	6600-1461-121	6600-1461-122	6600-1461-123
3300	6600-1461-124	6600-1461-125	6600-1461-126	6600-1461-127	6600-1461-128	6600-1461-129
3500	6600-1461-130	–	–	–	–	–
4000	6600-1461-136	6600-1461-137	6600-1461-138	6600-1461-139	6600-1461-140	6600-1461-141
4300	6600-1461-142	6600-1461-143	6600-1461-144	6600-1461-145	6600-1461-146	6600-1461-147
4400	6600-1461-148	6600-1461-149	6600-1461-150	6600-1461-151	6600-1461-152	6600-1461-153
5000	6600-1461-154	6600-1461-155	6600-1461-156	6600-1461-157	6600-1461-158	6600-1461-159

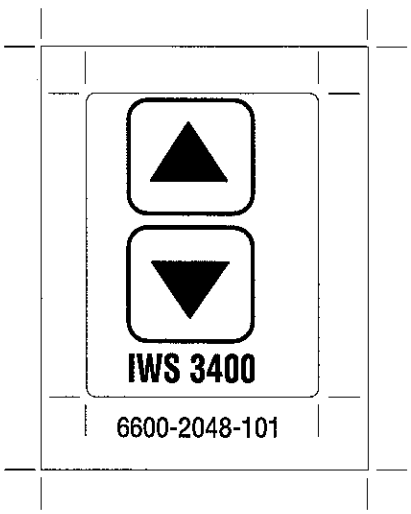
Model Number Insert
Units with AAN, HAK and HCA serial numbers

Switch Panel Label - Units with HCC Serial Number



English	6600-1920-101
French	6600-1920-102
Spanish	6600-1920-103
German	6600-1920-104
Italian	6600-1920-105
Swedish	6600-1920-106
Japanese	6600-1920-107

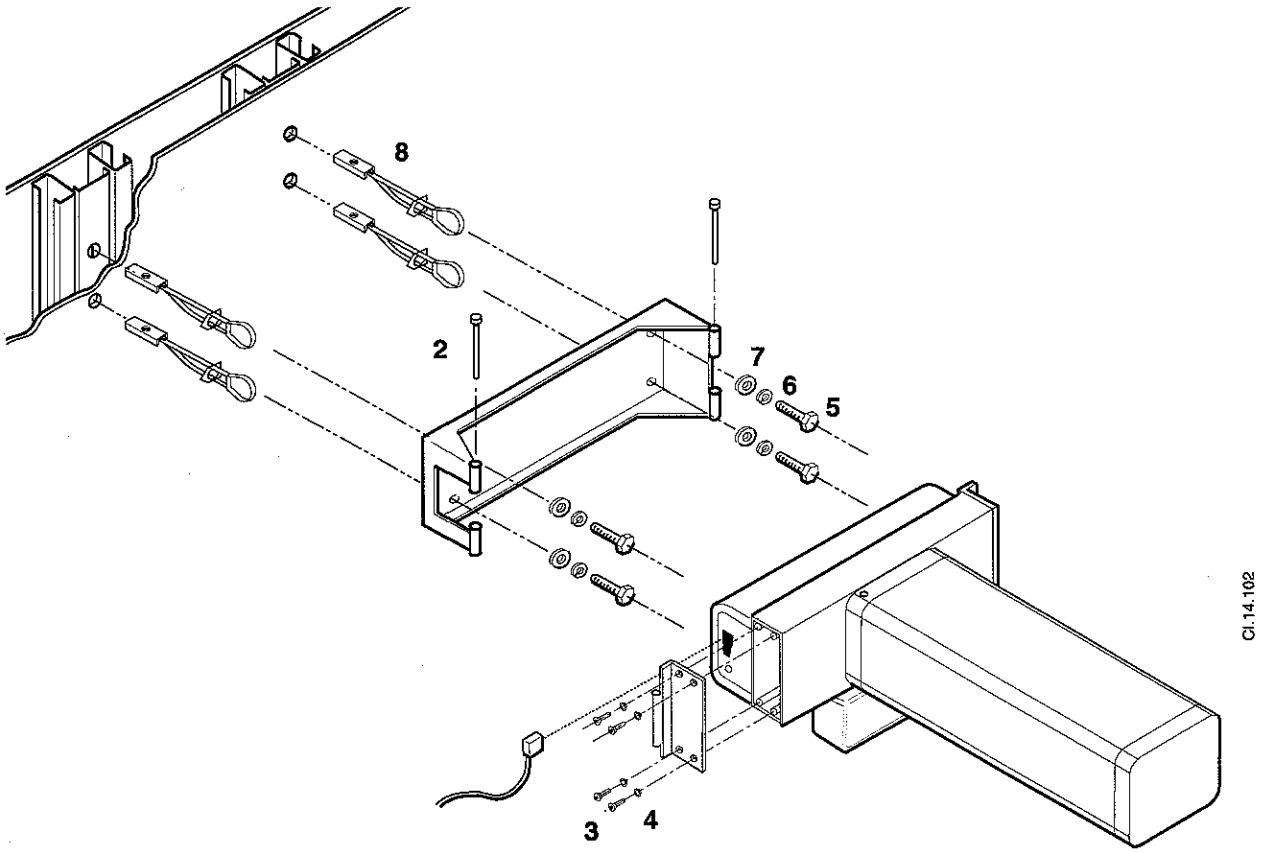
Model 2001, English	6600-1923-101
Model 2001, French	6600-1923-102
Model 2001, Spanish	6600-1923-103



Model number insert
Units with HCC serial number

IWS 2001	6600-2046-101
IWS 3000	6600-2046-102
IWS 3050	6600-2046-103
IWS 3100	6600-2046-104
IWS 3150	6600-2046-105
IWS 3300	6600-2046-106
IWS 3400	6600-2048-101
IWS 3500	6600-2046-107
IWS 4000	6600-2046-111
IWS 4300	6600-2046-115
IWS 4400	6600-2048-102

7.57 Wall Mounted Units



	Description	Stock Number
1.	Hinge, Model 3050 (includes endplate and pin)	6600-0562-501
	Model 3100, 3150	6600-0608-501
2.	Hinge pin	6600-0596-400
3.	Screw, self tapping flat head, 1/4 x 1	0142-4247-116
4.	Conical washer*	6600-0484-400
5.	Screw, self tapping hex head, .375-16 x 2.5	6600-0414-400
6.	Split ring lock washer, .375	6600-0440-400
7.	Flatwasher, .81 OD .406 ID	6600-0173-400
8.	Toggler® Anchor bolt	6600-0413-400

** Model 3050 only.*

Figure 7-55
Wall mounted units

Notes